

**ARCHAEOLOGY 595**  
Problems in Paleopathology and Paleonutrition  
Winter 2021

**Instructor:** Dr. Erik G. Johannesson

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**Office Hours:** TBA

**Office:** N/A via Zoom

**Telephone:** N/A

**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.

**Learning Outcomes:** Upon successfully completing this course, students will have:

- An understanding of bone pathology and the diseases, activities, and life circumstances that manifest osteologically.
- Insight to appropriate methods and approaches for identifying and assessing pathologies, trauma, and osteological abnormalities in the human skeleton.
- Critical reasoning skills in assessing literature pertaining to bioarchaeology, osteology, and paleopathology.
- Foundational knowledge and skills to assess overall health and nutrition of human populations using osteological materials.

**Online Delivery:**

This course will be delivered online asynchronously and will follow a modular format. Prerecorded lectures and other course materials will be uploaded to D2L on a regular basis. Additional readings and information will also be posted to D2L with the recorded lectures to which they pertain. Since the course is meant to be a seminar style class, a discussion board will be available for each module to discuss the material presented in the lectures and readings. There will also be an opportunity for participation and discussion of course content via Zoom roundtables (schedule to be determined). Discussions will not repeat or cover all the material in the readings but are meant to provide a deeper understanding of the material.

**Learning Technologies and Requirements:** In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology.

- A computer/laptop with a supported operating system, as well as the latest security and malware updates
- A current and updated web browser
- Webcam (built in or external)
- Microphone and speaker (built in or external) or headset with microphone
- **Stable broadband internet connection**

**Required Textbook –**

1. Roberts C and Manchester K. 2005. *The Archaeology of Disease* (3<sup>rd</sup> edition). Cornell University Press: Ithica.

2. Grauer A. (ed). 2012. *A Companion to Paleopathology*. Wiley-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.

**Readings:**

The textbooks and readings are meant to complement uploaded lecture material and are not a substitute for information presented by the instructor. While the course material and readings are not closely tied to one another, they are related and occasionally overlap, and knowledge of all will be necessary to do well in the class. The required readings will be posted on D2L under Content and the Lecture they accompany and will be posted once the module is complete, usually weekly. Make sure to keep up with the readings.

**Accessing Course Content/Attendance:** It is critical that students regularly access and keep up with the course content as failure to do so will affect their potential to do well in the class. As such, students are strongly cautioned against missing any portion of the course as there is a clear relationship between regular engagement and strong student performance in the course (and vice versa).

**Grades and Evaluation Criteria:**

Evaluation in the course and grades will be calculated as follows:

Journal Article Review 1	10%	Thursday, February 4 (midnight)
Journal Article Review 2	10%	Thursday, March 11 (midnight)
Research Paper	25%	Thursday, April 15 (midnight)
Annotated Bibliography	7%	Thursday, March 18 (midnight)
Final Examination	35%	TBA ( <b>Registrar-scheduled</b> )
Discussion & Class Participation	13%	Ongoing

**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 up to 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 will be posted to D2L.

**Annotated Bibliography & Research Paper:** Students are required to write a term paper (15-20 pages) on an approved research topic, due **Thursday, April 15** at midnight. An annotated bibliography consisting of at least 10 references being used in your paper is due in class on **Thursday, March 18<sup>th</sup>**. Detailed instructions for the research paper and annotated bibliography will be posted to D2L.

**Course Discussion and Participation:** As this is a seminar course, active participation is imperative for critical analysis of the course material and for overall student success. The purpose of the discussion boards and meetings is to gain a deeper and more nuanced understanding of course the content via discussion of the readings and uploaded materials and to explore issues pertinent to individual student interests. A discussion board can be found on D2L where students will make several weekly contributions (see below). We will also meet via Zoom for one hour every two weeks for in-person discussion. Since we are a small class, the schedule of these meetings is TBA and will be determined by what accommodates our respective schedules the best. If a student cannot attend the Zoom discussion meetings they can substitute participation by contributing 2-3 additional posts to the discussion board.

To do well in the course students should contribute at least **two to three** meaningful post to the group discussion board per week. The instructor will drop in and both observe and contribute to the discussions regularly. It is advised to post no later than Thursday so other members of the group can obtain the greatest benefit from your post.

In order for discussions to be productive, students must complete all of the readings for that week, and watch all of the asynchronous course material for that week, before contributing. For example, for your discussion during the week of January 18<sup>th</sup>, you must read all of the readings and watch all of the uploaded content for that week before contributing to the discussion section on D2L for that week.

For the first week (January 11-15) Students will be required to provide a personal introduction to the group. The purpose is for students to get to know one another and to lay the foundation for and to facilitate future discussion. You may provide your introduction in any format you feel comfortable with.

Participation marks will be calculated for each week as follows (Please note that evaluation will not depend solely on the quantity of participation but also the quality of discussion):

0 = does not participate	0.5 = contributes to discussion
0.25 = minimal participation	1 = insightful questions and contributions to discussion

For a total of 13 points over the course of the term.

**Final Exam:** A cumulative exam, covering all lectures, readings, and materials in the course will be given on the final exam date set by the Registrar (TBA, **consult Registrar’s schedule when available**) the final exam will be worth 35% of the final grade in the course. **Please note that it is students’ responsibility to look up when their exams are. The dates and times of all examinations are set and published by the Registrar’s Office and can be found here:** <https://www.ucalgary.ca/registrar/exams>

It is not necessary for students to obtain a minimum passing grade on all of the written assignments in the course in order to pass the course as a whole. For example, a student may fail one written assignment, but still pass the course as a whole. **However, students must obtain a passing grade on the final exam in order to pass the course.**

**Academic Integrity and Exam Security:** Academic integrity is taken very seriously. Since the course will be administered online where students have access to the internet, other devices, access to classmates, etc., please be aware that only material provided in the course is to be used on an examination and only approved sources are to be used in the research papers. Any indication that other sources such as the internet, classmates, or chat platforms have been consulted may result in a charge of academic misconduct, a score of 0 for the question or on the entire test or assignment. This includes relying on the internet and search engines as a source of notes instead of content provided in the course. I.e. **copying information from the internet into your notes prior to an exam and including that in your answers constitutes both plagiarism and illicit use of the internet, and should not occur.** It is further expected that each student complete work individually and that all assignments and test answers are written in their own words. As such **students are responsible for ensuring that any notes shared among classmates not result in similar answers on examinations or that sources are properly cited in written assignments.** Please make sure to err on the side of caution here, and if you choose to do so, be extremely mindful of who you study with online and how you source your research materials. If unable or unsure of how to prevent notes being copied or paraphrased on exams, students should refrain from sharing their notes online, on social media platforms, or chat platforms such as Discords. **Academic misconduct, even if unintentional, is still treated as academic misconduct.**

**Note also that the person(s) who creates an online forum or “study group” (such as a Discord) is responsible for ensuring that the forum is not used for academic or non-academic misconduct and will be held accountable should members or users of the group engage in such.**

#### **Grade Breakdown**

A+ 100 - 94.9%	} Excellent: Superior performance showing comprehensive understanding of the subject matter.
A 94.8 - 89.9%	
A- 89.8 - 84.9%	
B+ 84.8 – 79.9%	} Good: Clearly above average with knowledge of the subject matter generally complete.
B 79.8 - 74.9%	
B- 74.8 – 70.9%	
C+ 70.8– 66.9%	} Satisfactory: Basic understanding of subject matter.
C 66.8 – 62.9%	

C- 62.8 – 58.9%	} Marginal performance: Generally not sufficient to demonstrate a firm grasp of the course material.
D+ 58.8 – 54.9%	
D 54.8 – 49.9%	
F 49.8% and below	

**Deferred Exams:** Deferral of the final exam requires Registrar approval.

**Exam Reporting:** Marks for exams and tests will be posted to D2L, but tests will not be handed back. Students have the opportunity to view and discuss their exam with the instructor or TA during scheduled office hours or by appointment.

**Principles of Conduct:**

The University Calendar includes a statement on the principles of conduct expected of all members of the university community (including students, faculty, administrators, any category of staff, practicum supervisors, and volunteers), whether on or off university property. This statement applies in all situations where members of the university community are acting in their university capacities. All members of the university community have a responsibility to familiarize themselves with the principles of conduct statement, which is available at: [www.ucalgary.ca/pubs/calendar/current/k.html](http://www.ucalgary.ca/pubs/calendar/current/k.html). Students should also familiarize themselves with University policies regarding non-academic misconduct: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-non-academic-misconduct-policy>

**Plagiarism, Cheating, and Student Misconduct**

University expectations are that students will not cheat or plagiarize, and that they will not condone these behaviors or assist others who plagiarize. Academic misconduct not only jeopardizes the career of the individual student involved, but also undermines the scholastic achievements of all University of Calgary students and attacks the mission of this institution. Students are inherently responsible to do their own work, thereby insuring the integrity of their academic records. In accordance with the university’s code of conduct, evidence of cheating on an exam, or plagiarism (copying or paraphrasing someone else’s work [or notes] and presenting it as your own) will result in the registration of the offense with the Associate Dean, Undergraduate Programs and Student Affairs. The University of Calgary is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect.

Academic dishonesty is not an acceptable activity at the University of Calgary, and students are **strongly advised** to read the Student Misconduct section in the University Calendar at: [www.ucalgary.ca/pubs/calendar/current/k-3.html](http://www.ucalgary.ca/pubs/calendar/current/k-3.html). 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 from the internet as your own without adequate citation, and (3) using work completed for another course. Such activities will not be tolerated in this course, and students suspected of academic misconduct will be dealt with according to the procedures outlined at:

<https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-procedure>

**Academic Accommodations and Accessibility** - It is the responsibility of the student to request academic accommodations. Students who have not registered with Student Accessibility Services (SAS) will not be eligible for formal academic accommodation. Students with documented disability who may require academic accommodation should register with SAS. Please call 220-8237, stop by MSC 452 or email [access@ucalgary.ca](mailto:access@ucalgary.ca) to register.

**Personal Integrity and Responsibility:** Students are expected to conduct their studies as a matter of personal responsibility and integrity. Therefore, no extra credit assignments will be offered at any time during the semester as it is unfair to offer an opportunity to any student that is not available to all. Students should attend class consistently (see above) and should take note of important dates and deadlines. Excuses for failing to complete/comply with course requirements are redundant as they still represent failure to fulfill the expectations of the course. Note that if personal, vocational, or academic problems are interfering with a student's course work there are proper and official resources to consult.

**Decorum:**

Students will treat each other and me with respect at all times. No opinions or speech that discriminates against or is derogatory towards others on the basis of race, ethnicity, age, gender, religion, sexual orientation, political affiliation, or disability will be tolerated. Students who express such opinions will be removed from lecture and repeated offences may result in further disciplinary actions or the behavior registered and forwarded to the appropriate University unit for review. Students should refrain from unacceptable behavior such as using online chat forums during lecture, interrupting lecture unnecessarily, "Zoom-bombing", or any other behavior that may be disruptive or considered disrespectful to other students or the instructor. Such behaviors will also result in the student being removed from lecture and may result in disciplinary action.

**Wellness and Mental Health Resources:**

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness, and academic success and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support, or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, <https://www.ucalgary.ca/wellnesscentre/services/mental-health-services>) and the Campus Mental Health Strategy website (<http://www.ucalgary.ca/mentalhealth/>).

**Additional Class Policies and Expectations:**

- Students should arrive to lecture in a timely manner. In the unlikely event of tardy arrival, please do not disrupt lecture with e.g. questions about what was missed. Or directing questions about topics already covered during the missed portion of lecture. If unsure, wait until lecture is over and field any questions or concerns at that time. Note that

students are responsible for any material they miss as a result of being absent or tardy and it is not the instructor's or the TA's responsibility to make up the missed information.

- **Communication with the instructor or TA is welcome and should follow etiquette appropriate for a university. I.e., be professional. Use proper salutations and titles in both written and verbal communication.** Also refrain from “dogpiling” or bombarding the TA or the instructor with emails in attempts to prompt a desired response. **The instructor and TA reserve the right to not respond to communication they deem inappropriate, disrespectful, or excessively cavalier.**
- Students can expect that the instructor and TA will respond to email in a timely manner, and can typically expect a response between 24-48 hours, excluding holidays and weekends.

### **Additional Information:**

#### **Copyright Legislation**

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright: <https://ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy> 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 Act.

**Teaching Evaluations:** Feedback from students through the Universal Student Ratings of Instruction (USRI) provides valuable information to assist evaluating the quality of instruction, enhance learning and teaching experiences, and assess course outcomes. Your responses matter, please participate! Website: <http://www.ucalgary.ca/usri/>

**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, members of faculty can and should use writing and the grading thereof as a factor in the evaluation of student work. The services provided by the Writing Support, part of the Student Success Centre, can be utilized by all undergraduate and graduate students who feel they require further assistance

**Emergency Protocol and 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: <http://www.ucalgary.ca/emergencyplan/assemblypoints>

**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/legalservices/foip>

The Department of Anthropology and Archaeology's FOIP (Freedom of Information and Privacy) policy requires all reports/examinations to be returned to students during class time or the instructor's office hours. Any term work not picked up will be placed in the Anthropology and Archaeology Office (ES620) for distribution. Any student not wishing to have their work placed in the office must make alternative arrangements with the course instructor early in the term.

**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.

**Faculty of Arts Program Advising and Student Information Resources:**

Have a question, but not sure where to start? Arts Students' Centre, The Faculty of Arts Students' Centre is the overall headquarters for undergraduate programs in the Faculty of Arts. The key objective of this office is to connect students with whatever academic assistance that they require. In addition to housing the Associate Dean, Undergraduate Programs and Student Affairs and the Associate Dean for Teaching and Learning, the Arts Students' Centre is the specific home to:

- program advising
- the Faculty's Co-operative Education Program
- the Arts and Science Honours Academy
- the Faculty's Interdisciplinary Programs
- a Student Help Desk

Location: Social Sciences Room 102 Phone: 403.220.3580 Email: [ascarts@ucalgary.ca](mailto:ascarts@ucalgary.ca)

Website: [arts.ucalgary.ca/undergraduate/](http://arts.ucalgary.ca/undergraduate/)

For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210-ROCK [7625] or visit them at the MacKimmie Library Block.

Contacts for Students Union Representatives for the Faculty of Arts:

[arts1@su.ucalgary.ca](mailto:arts1@su.ucalgary.ca)

Ombudsman's office: <http://www.ucalgary.ca/ombuds/>