
ARKY 531 and ARKY 603
Advanced Topics in Archaeology/Seminar on Special Topics
GFC Hours 3-0
Winter 2024

Prerequisite(s): Consent of the Department.

COURSE DESCRIPTION

Seminar dealing with methodological problems in current archaeology. The emphasis is on topical issues that are not answerable by archaeological means alone, posing a significant challenge due to limitations in technology, methods, and interdisciplinary collaboration. This course introduces undergraduates and graduates to cutting-edge technologies from natural and health sciences that have yet to be applied to the study of prehistory systematically.

LEARNING OUTCOMES:

The Department of Anthropology and Archaeology is committed to student knowledge and skill development. Upon completion of this course, students should be able to:

- Identify and discuss the application of biogeochemical techniques in archaeology
- Discover relevant academic sources using library-based research
- Summarise, evaluate, and present to the class writings from academic sources
- Compile and organize information to answer questions in short oral presentations

READINGS AND TEXTBOOKS:

- No textbook is required or recommended
- Required readings from the relevant literature as indicated in the Schedule – links provided on D2L

REQUIRED TECHNOLOGY and EQUIPMENT:

- Computer with Internet access. Routine software such as Word, Excel, PowerPoint.

COURSE REQUIREMENTS AND ASSESSMENT

In this course, students will explore key concepts, debates, and techniques within the realm of Archaeometry. Each week, students will randomly select a question to address in the following week's seminar. They will present their responses orally and accompanied by annotated source citations. These annotations will be collated into an annotated bibliography, resulting in a comprehensive resource created by all seminar participants. This is a seminar course. If they are to be successful, seminars require the participation of everyone.

Each week's mandatory assignments, including oral presentations (weighted at 8%) and annotated bibliographies (weighted at 2%), will collectively contribute 10% to the final grade. With eleven weeks in the seminar, the total weight of these assignments exceeds 100%. The initial week of work, occurring in the second week of class, will not factor into the weighted grade; instead, it will function as a practice session for students to refine their presentation and bibliography preparation skills.

At the beginning of each class, students are required to turn in their annotated bibliographies for the week. Any late submissions will incur a penalty of 50 points per day. Oral presentations that are missed cannot be rescheduled, and students will receive a grade of 0 for that portion of their weekly assignments. Students are encouraged to promptly reach out to the instructor through email, phone, or in person if they are unable to attend class or submit assignments. The instructor has the authority to grant extensions and allow resubmissions as they see fit.

Students may be asked to provide supporting documentation for an exemption/special request. This may include, but is not limited to, a prolonged absence from a course where participation is required, a missed course assessment, a deferred examination, or an appeal. Students are encouraged to submit documentation that will support their situation. Supporting documentation may be dependent on the reason noted in their personal statement/explanation provided to explain their situation. This could be medical certificate/documentation, references, police reports, invitation letter, or a statutory declaration, etc. The decision to provide supporting documentation that best suits the situation is at the discretion of the student. Students cannot be required to provide specific supporting documentation, such as a medical note. Falsification of any supporting documentation will be taken very seriously and may result in disciplinary action through the Academic Discipline regulations or the Student Non-Academic Misconduct policy.

Reappraisal of Graded Term Work: <http://www.ucalgary.ca/pubs/calendar/current/i-2.html>

Reappraisal of Final Grade: <http://www.ucalgary.ca/pubs/calendar/current/i-3.html>

Department of Anthropology and Archaeology Grading Scheme:

A+ 95 – 100%	B+ 80 – 84.9%	C+ 67 – 70.9%	D+ 55 – 58.9%
A 90 – 94.9%	B 75 – 79.9%	C 63 – 66.9%	D 50 – 54.9%
A- 85 – 89.9%	B- 71 – 74.9%	C- 59 – 62.9%	F < 50%

Please note that no extra credit or 'make up' work is available in this class. You do not need to pass each course component to earn a passing grade in the class.

Land Acknowledgement

The University of Calgary, located in the heart of Southern Alberta, both acknowledges and pays tribute to the traditional territories of the peoples of Treaty 7, which include the Blackfoot Confederacy (comprised of the Siksika, the Piikani, and the Kainai First Nations), the Tsuut'ina First Nation, and the Stoney Nakoda (including Chiniki, Bearspaw, and Goodstoney First Nations). The City of Calgary is also home to the Métis Nation of Alberta (Districts 5 and 6).

Acknowledgment and Respect for Diversity

The Department of Anthropology and Archaeology views diversity of identity as a strength and resource. Your experiences and different perspectives are encouraged and add to a rich learning environment that fosters critical thought through respectful discussion and inclusion.

UNIVERSITY POLICIES

ACADEMIC ACCOMMODATIONS

Students seeking an accommodation based on disability or medical concerns should contact Student Accessibility Services; SAS will process the request and issue letters of accommodation to instructors. For additional information on support services and accommodations for students with disabilities, visit <https://live-ucalgary.ucalgary.ca/student-services/access>. Students who require an accommodation in relation to their coursework based on a protected ground other than disability should communicate this need in writing to their Instructor or the Department Head. The full policy on Student Accommodations is available at <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Accommodation-Policy.pdf>

ACADEMIC INTEGRITY POLICY

Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. 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.

ACADEMIC MISCONDUCT

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

For students wishing to know more about what constitutes plagiarism and how to properly cite the work of others, the Department of Geography recommends that they attend Academic Integrity workshops offered through the Student Success Centre: <https://www.ucalgary.ca/student-services/student-success/learning/academic-integrity>

INSTRUCTOR INTELLECTUAL PROPERTY

Course materials created by professor(s) (including course outlines, presentations and posted notes, labs, case studies, assignments and exams) remain the intellectual property of the professor(s). These materials may NOT be reproduced, redistributed or copied without the explicit consent of the professor. The posting of course materials to third party websites such as note-sharing sites without permission is prohibited. Sharing of extracts of these course materials with other students enrolled in the course at the same time may be allowed under fair dealing. Information on Instructor Intellectual Property can be found at <https://www.ucalgary.ca/legal-services/university-policies-procedures/intellectual-property-policy>

FREEDOM OF INFORMATION AND PROTECTION OF PRIVACY ACT

Student information will be collected in accordance with typical (or usual) classroom practice. Students' assignments will be accessible only by the authorized course faculty. Private information related to the individual student is treated with the utmost regard by the faculty at the University of Calgary.

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 Policy.

SUPPORTS FOR STUDENT LEARNING, SUCCESS, AND SAFETY

Please visit the Registrar's website at: <https://www.ucalgary.ca/registrar/registration/course-outlines> for additional important information on the following:

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

TENTATIVE CLASS SCHEDULE

Topic	Week
Introduction: Course logistics	1
Initial week of work	2
Paleoenvironment: Phytoliths	3
Ancient Starch Research	4
Pollen	5
Isotopes	6
Reading Week	7
Organic geochemistry	8
Microbiology	9
DNA	10
Proteomics	11
X-ray Diffraction	12
X-ray Fluorescence Spectroscopy	13

IMPORTANT DATES

M Jan 8	Start of Classes
R Jan 18	Last day to drop a class without a financial penalty
F Jan 19	Last day to add or swap a course
F Jan 26	Fee payment deadline for Fall Term full and half courses.
M Feb 19	Alberta Family Day No Classes.
Feb 18-24	Reading Break. No classes.
F Mar 29	Good Friday no classes
M Apr 1	Easter Monday no classes
T Apr 9	End of classes Last day to withdraw from half courses.
Apr 12-23	Fall Final Exam Period.
May 20-25	Exam period for Registrar deferred final exams

<https://www.ucalgary.ca/pubs/calendar/current/academic-schedule.html#fall2017>