

ARCHAEOLOGY 639

Stable Isotope Methods in Archaeology

Winter 2013

Instructor: Dr. M. A. Katzenberg
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Meetings: Tuesday 11:00 – 2:00, ES 822

Course Objectives:

This is a seminar course covering applications of stable isotope methods in bioarchaeological research. Topics to be covered include the use of light stable isotopes to determine past diet, the use of stable isotopes to document residence and migration, analysis of stable carbon isotopes in soils, stable isotope ecology for environmental reconstruction and paleoclimate studies.

The textbook by Fry provides basic as well as advanced information on stable isotope methods from an ecological perspective. Most of the readings will be from the published literature and can be found in journals such as the Journal of Archaeological Science, American Journal of Physical Anthropology, American Antiquity and Rapid Advances in Mass Spectrometry.

The objective of the course is to provide an understanding of research methods and current approaches to the use of stable isotopes in addressing a wide range of questions in bioarchaeology and archaeology.

Required textbook:

Stable Isotope Ecology, by Brian Fry

Prerequisites:

Archaeology 555 or equivalent.

Class mechanics:

Annotated Bibliography	Due Feb. 12	15%
Article reviews (bi-weekly)		15%
Seminar readings, discussion and presentations		25%
Research paper (10% oral presentation and 35% written)		45%

Grading scale

95 -100	A+	85-94	A	80-84	A-
78-79	B+	73 – 77	B	70 – 72	B-
67-69	C+	63-66	C	60-62	C-
57-59	D+	50-56	D		
< 50	F				

Additional information, required by the university:

Whether or not a passing grade on any particular component of a course is essential if the student is to pass the course as a whole;

- Not

Whether students in the course may be expected to participate as subjects or researchers when research on human subjects may take place;

- No

A list and description of approved optional and mandatory supplementary fees for courses;

- None

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.

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.

Academic Accommodation Policy

The purpose of academic accommodation is to provide students with documented disabilities equal opportunity to master the essentials of a post-secondary education. Students with disabilities at the University of Calgary have met all admission requirements but may have done so with the use of accommodations. Similarly, they are expected to meet all academic and non-academic requirements. Adaptive technology and other academic accommodations do not relieve students of their responsibility to develop the essential skills and abilities expected of all students.

Please refer to the following web link for detailed information:

<http://www.ucalgary.ca/drc/node/71>

Disability Resource Centre Accommodations

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.

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>

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-2-1.html>

Plagiarism

Plagiarism involves submitting or presenting work as if it were the student's own work when it is not. Any ideas or materials taken from another source written, electronic, or oral must be fully and formally acknowledged. Plagiarism includes but is not limited to:

- (a) The work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work (this includes having another impersonate the student or otherwise substituting the work of another for one's own in an examination or test),
- (b) Parts of the work are taken from another source without reference to the original author,
- (c) The whole work (e.g., an essay) is copied from another source, and/or,
- (d) A student submits or presents work in one course which has also been submitted in another course (although it may be completely original with that student) without the knowledge of or prior agreement of the instructor involved.

While it is recognized that scholarly work often involves reference to the ideas, data and conclusions of other scholars, intellectual honesty requires that such references be

explicitly and clearly noted. Plagiarism is an extremely serious academic offence. It is recognized that clause (d) does not prevent a graduate student incorporating work previously done by him or her in a thesis or dissertation.

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:

<http://www.ucalgary.ca/emergencyplan/assemblypoints>

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? The new Faculty of Arts Program Information Centre (PIC) is your information resource for everything in Arts! Drop in at SS102, call us at 403-220-3580 or email us at artsads@ucalgary.ca. You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.
- For program planning and advice, contact the Student Success Centre (403) 220-5881 or visit them in their new space on the 3rd Floor of the Taylor Family Digital Library.
- 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.

Contact Information for Student and Faculty Representation

Student Union Vice President – Academic

Phone: (403) 220-3911

Email: suypaca@ucalgary.ca

Student Union Faculty Representatives

Sarah Damberger arts1@su.ucalgary.ca 587-7777-5244

Hana Kadri arts2@su.ucalgary.ca 403-667-9220

Kelsy Norman arts3@su.ucalgary.ca 403-861-2624

Student Ombudsman's Office

<http://www.ucalgary.ca/provost/>

Students Union Representatives for the Faculty of Arts

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arts2@su.ucalgary.ca

arts3@su.ucalgary.ca

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