

# ARKY 453

## FUNDAMENTALS OF GEOARCHAEOLOGY DEPARTMENT OF ANTHROPOLOGY & ARCHAEOLOGY

### INSTRUCTOR

Andrea Freeman  
ES 842  
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Hours: TBA

### TEACHING ASSISTANTS

Margaret Patton  
ES 746  
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Hours: TBA

### COURSE INFORMATION

#### LECTURE & LAB HOURS FOR WINTER 2020

Lecture T/R 11-12:15 pm, ES 859  
Lab Sections: 01: T 2-3:50 pm, 02: R 2-3:50 pm, 03 W 8-9:50 am  
*Labs will be held in ES 859 or alternate locations TBA*

#### COURSE DESCRIPTION

Analytical methods used in geoarchaeology. The interpretation of site and regional context, provenance, and paleoenvironment, and the application of dating methods, chemical and isotopic methods, and remote sensing. Case studies and experiential learning through field examples.

#### TEXTBOOKS

*Geoarchaeology: The Earth Science Approach to Archaeological Interpretation*, by George Rapp and Christopher Hill, Yale University Press, 2<sup>nd</sup> edition.

*Geoarchaeology Lab Manual* by A. Freeman (posted to D2L).

*Additional readings will be posted to D2L or otherwise made available.*

### GRADING

#### METHODS OF EVALUATING STUDENT PERFORMANCE

Midterms (2 @ 25%)	50% (Feb 11, Mar 17)
Quiz	8% (online Apr 9-14)
Labs (8 @ 4%)	32%
Project/Paper	10% (due Apr 14)

*Writing will be evaluated as part of the final project/paper.*

*There will not be a final examination scheduled by the registrar*



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### COURSE OUTCOMES

Students who perform at average or above average level will be able to **describe** the tools used by the geoarchaeologist and the **application** of those tools. They will be able to **discern** the **methods** best applied in archaeological field and laboratory work. Students will learn to **apply** and **evaluate** quantitative methods used by geoarchaeologists. They will be able to **critically evaluate** geoarchaeological research presented in peer reviewed literature, and to **discuss** appropriate use of techniques with specialists in the field of geoarchaeology.

### GRADE BREAKDOWN

A+ 95-100%, A 90-94.9, A-85-89.9, B+ 80-84.9, B 75-79.9, B- 71-74.9, C+ 67-70.9, C 63-66.9, C- 59-62.9, D+ 55-58.9, D 50-54.9, F < 50% or failure to complete all course components  
*You need not pass all components to pass the course, but you must complete all components to pass the course.*

### COURSE POLICIES

#### STUDENT CONDUCT

Students are expected to be engaged in course content during lecture and lab sessions. Computers, tablets and other digital tools are to be used for content directly related to the course (looking up definitions, taking notes). Cellular telephones and mail alerts should be turned off during lecture and lab sessions.

Students are asked to email the course instructor via D2L when asking to set up an appointment or asking a question about the course.

#### EXAMINATION POLICIES

Deferred examinations are allowed only when the student has an excused absence (see University Policy).

Examinations and quizzes will be closed book unless otherwise instructed. No calculators may be used during examinations.

The use of digital devices is prohibited during examinations.

#### OTHER

You will not be asked to participate in or conduct research on human subjects.



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### **Academic misconduct**

The University expects Students to conduct Academic Activities with integrity and intellectual honesty and to recognize the importance of pursuing and transmitting knowledge ethically. "Academic Misconduct" includes such things as Cheating, Falsification; Plagiarism, Unauthorized Assistance and failure to comply with exam regulations or an Instructor's expectations regarding conduct required of Students completing academic assessments. Academic Misconduct is a serious form of intellectual dishonesty with significant consequences. Students who participate in, or encourage the commission of, Academic Misconduct will be subject to disciplinary action which could include Probation, Suspension, or Expulsion from the University. 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.

### **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. The Department of Anthropology and Archaeology keeps exams and any term work not picked up for a minimum of one year after which it is destroyed. Please refer to the following link for detailed information:

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

### **Academic Accommodations**

It is the student's responsibility to request academic accommodations according to the University policies. 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.

### **Copyright**

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](http://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:**

Non-course-specific related information can be found on the Office of the Registrar's website: <https://www.ucalgary.ca/registrar/registration/course-outlines>

**Note:** information here includes

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