
ANTH 505
Conference Course: Design of a Research Project
Spring 2023
GFC Hours 3S-0

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|----------------------|---------------------|---------------------------|---------------|
| Instructor: | Mary Pavelka | Lecture Location: | Cosmic Crab |
| Phone: | 403-2204174 | Lecture Days/Time: | MTWRF 9am–5pm |
| Email: | pavelka@ucalgary.ca | | |
| Office: | ES 602B | | |
| Office Hours: | All daylight hours | | |

Prerequisite(s): Consent of the Department
Corequisite: Anth 552 and Anth 553

COURSE DESCRIPTION

As the third co-requisite of the field school program, this course is set mainly at the Cosmic Crab hostel on Isla Carenero. Here we will have 24-7 wifi and power and a large dining area available to us to work. This course focuses on the analysis of data collected in Anth 552 and the write up of a methodologically sophisticated research proposal that reveals a thorough understanding of the steps involved in building a research project, familiarity with different types of data collection, realistic understanding of the challenges of obtaining enough reliable and valid data to be able to answer the question of interest.

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:

- calculate diet and activity budgets using data collected
- provide a qualitative and quantitative description of the abundance and distribution of the food supply using data collected
- build a map of the trails, important trees, landmarks, and home ranges of the howler monkeys using data collected
- reflect, after having had the experience of conducting wild primate field work, upon the ethical and conservation implications and promises of such work
- write up of a methodologically sophisticated research proposal that reveals a thorough understanding of the steps involved in building a research project,

READINGS AND TEXTBOOKS:

- Readings from the relevant literature as indicated in the Schedule – links provided on D2L

REQUIRED TECHNOLOGY and EQUIPMENT: The following technology is required for accessing materials in D2L, collecting map points in the forest, uploading map points, and writing your field log.

- A computer with a supported operating system, as well as the latest security and malware updates
- A current and updated web browser
- Current antivirus and/or firewall software enabled
- Stable internet connection

COURSE REQUIREMENTS AND ASSESSMENT

1. Behavioural Data Analysis & Report 15% Completed at Cosmic Crab

Using data collected at ITEC, calculate **activity** and **diet** budgets using both **focal** and **scan** data, for the howlers as a whole and broken down by age/sex categories. Write a 2-page report summarizing your results and describing how the howlers in general spend their time, the nature of their within and between group interactions, notable differences between age and sex classes, and differences between the results of scan vs focal data.

2. Vegetation Data Analysis & Report 15% Completed at Cosmic Crab

Using the vegetation plot data collected at ITEC, calculate the species richness abundance, relative abundance, density, basal area, relative basal area, and dominance for the top five most important howler food trees (as identified by the behavioral data above). Write a 2-page report summarizing these data and describing the howler monkey food supply at ITEC at this time of year.

3. Map and Home Range Analysis & Report 15% Completed at Cosmic Crab

Using the map points collected at ITEC, complete the map of the area and calculate the “home range” of the different monkey groups for which you have data. Write a 2 page report summarizing your findings and commenting on challenges faced and advice you would give to researchers undertaking a map and home range project going forward.

4. Fieldwork Ethics Reflection Report 15% Completed at Cosmic Crab

Write a 5-page paper briefly reviewing the main themes of the Fedigan 2010 and Riley and Bezanson 2018 papers, and then discussing your own insights and commentary on this topic after having spent two weeks conducting wild primate research.

5. Final Research Proposal 40% Completed post travel, June 12

Utilizing all the skills acquired above and in Anth 552 and 553, write up of a methodologically sophisticated research proposal that reveals a thorough understanding of the steps involved in building a research project. See the attached key by which the Research Proposal will be graded.

Missed examinations/tests cannot be made up without the approval of the instructor. Exams may only be deferred in the case of illness or medical emergency, religious observance, or domestic affliction (see: <https://www.ucalgary.ca/registrar/exams/deferred-final-exams>).

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:

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|----|------------|----|------------|----|------------|----|------------|
| 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 Department of Anthropology and Archaeology acknowledges the traditional territories of the people of the Treaty 7 region in Southern Alberta, which includes the Blackfoot Confederacy (comprising the Siksika, Piikani, and Kainai First Nations), as well as the Tsuut’ina First Nation, and the Stoney Nakoda (including the Chiniki, Bearspaw, and Goodstoney First Nations). The City of Calgary is also home to Métis Nation of Alberta, Region 3.

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/university-policies-procedures/accommodation-students-disabilities-procedure>.

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

Timetable for Anth 505 at Cosmic Crab

Tuesday May 22 – arrive before lunch, reconvene at 1:30 pm, afternoon lecture explaining how to complete the various behavioral, vegetation, and mapping analysis assignments. Prepared handouts will be explained, questions answered.

Wednesday May 23 – all day with breaks for breakfast and lunch the whole class will settle in our “over the water” classroom area to work on the behavioural, vegetation, mapping, and ethics assignments. The instructional team (Dr. Pavelka and Notman as well as program assistants Casey and Broden) will be on hand to answer questions and provide help as needed. Students are welcome to work into the evening, but it is not expected. Evenings can be used to explore the area or rest.

Thursday May 24 – same as above

Friday May 25 – same as above

Saturday May 26 – assignments turned in to teaching team, flight to Panama City at 11:30

Final Anth 553 Research Proposal Key 2023

| <i>Criteria</i> | <i>Mark</i> |
|--|-------------|
| Is the title information complete? Is the title of the project framed as a question? | /2 |
| Is the paper organized into subheadings as per instructions? | /2 |
| Introduction – does it clearly state the research question and convince the reader that it is important? If it is stated early it should be stated again at the end to help set up the next section, (Hypotheses and Predictions). NOTE: Questions end with a question mark! Does it set the question within the framework of existing published literature? | /10 |
| Is the appropriate literature reviewed? Is it current? How much literature is reviewed? (15 papers is average) | /4 |
| Is the citation style appropriate? | /2 |
| Are the hypotheses clearly articulated and framed as answers to the question(s)? Does each hypothesis (answer) have predictions (what you will “see/measure” if that answer is correct) clearly spelled out? | /10 |
| Variables – are they all listed? Do they clearly follow from the predictions? Are they fully explained? | /10 |
| Data Collection Plan – is it complete and appropriate to allow for the measurement of the variables identified ? | /10 |
| Does the proposed study emphasize methods learned in this class? | /10 |
| Data Analysis Plan – is the unit of analysis in relation to the variables clear? | /5 |
| References – do they match the text? Are they in AJP format? | /2 |
| Ethogram – is it complete? Is it adapted to this project (not just copied from the one given for use in the field school)? | /3 |
| Budget – is it accurate, detailed , and well organized? | /3 |
| Writing style – is it professional/ scientific? Written in the same tone as the literature you have read and cited? Is the material well organized and clear? | /5 |
| Total | /78 |