

# 2022 Application to Paleontology Field School (ANTH 470)

Kim Nichols & Tom Bown, Faculty Instructors

CSU, Department of Anthropology & Geography, [kimberly.nichols@colostate.edu](mailto:kimberly.nichols@colostate.edu)



## Course Description & Learning Objectives:

This 4-Credit biological anthropology course provides hands-on paleontological field and lab experience with a focus on primate-bearing fossil localities dated at ~56-52 Ma (early Eocene, Willwood Formation) in the Bighorn Basin, Wyoming. Participants will learn how to recover & identify vertebrate fossils, fossil collection methods, stratigraphy, paleosol development, field documentation & accession, and lab fossil preparation & cataloguing. Upon completion of the course, participants will be able to: (1) identify vertebrate fossil dental & skeletal elements; (2) employ field paleontology collection methods (surface collecting, excavation, *etc.*); (3) utilize stratigraphic and paleosol data to ascertain geologic age, environmental & biotic data; (4) document & prepare fossils for museum catalogue; (5) utilize lab technology; (6) produce a professional-grade field report based on field & lab data on an assigned taxon or locality.

## Course Outline: June 6 - July 1, 2022

<b>WEEK 1: June 7-12: CSU Fort Collins, Daily Lab Meetings (Primate Origins Lab, GSB 342A)</b>
<ul style="list-style-type: none"><li>• MONDAY - SATURDAY (6/7-6/11): Daily Lecture &amp; Lab Instruction, Primate Origins Lab &amp; Online</li><li>• SUNDAY (6/12): Day off in preparation for field departure</li></ul>
<b>WEEK 2: June 13-19: Bighorn Basin, WY., Field Paleontology</b>
<ul style="list-style-type: none"><li>• MONDAY (6/13): 7:30 AM, Entire class meets at CSU Vans on-campus, Departs for Basin, Wyoming</li><li>• TUESDAY - SATURDAY (6/14-6/18): Daily Field Locality Expedition, Nightly Field Accession</li><li>• SUNDAY (6/19): 7:30 AM, Return to CSU Fort Collins, Entire class returns field materials to Lab</li></ul>
<b>WEEK 3: June 20-26: CSU Fort Collins, Daily Lab Meetings (Primate Origins Lab, GSB 342A)</b>
<ul style="list-style-type: none"><li>• MONDAY (6/20): Day off</li><li>• TUESDAY - FRIDAY (6/21-6/24): Fossil preparation, documentation, lab analysis for term assignment</li><li>• WEEKEND (6/25 -6/26): Prepare Field Reports</li></ul>
<b>WEEK 4: June 27 - July 1: CSU Fort Collins, Daily Lab Meetings (Primate Origins Lab, GSB 342A)</b>
<ul style="list-style-type: none"><li>• MONDAY - WEDNESDAY (6/27-6/29): Lab Work, Finalize Field Report</li><li>• THURSDAY - FRIDAY (6/30-7/1): Class Presentations on Field Reports!</li><li>• SUNDAY (7/3): FIELD REPORT DEADLINE, electronic submission on the Canvas Course Website</li></ul>

## Paleontology Field School Course Costs:

1. CSU Registration fee for 4.0 credit course
2. Paleontology Field School Fee = \$1,000 - The fee covers the following FIELD expenses:
  - Transportation between CSU Fort Collins & Basin, Wyoming and between Basin & Field Localities;
  - Individual field equipment (e.g., field notebook, hand lens, lanyard, *etc.*);
  - Meals (breakfast, lunch, dinner) while in Wyoming;
  - Motel room for 6 nights in Worland, Wyoming.
3. Participants are financially responsible for all other expenses, including lodging, meals, & transportation during the three course weeks that occur in Colorado.

## Application Process:

1. Submission at <https://anthgr.colostate.edu/research-and-teaching/field-schools/paleontology-field-school/>
  - a. Attach a FULL-PAGE TYPED statement (word.doc or pdf) that details why you wish to participate in the Paleontology Field School and how this experience will help you to meet your long-term goals.
  - b. Attach a copy of your college transcript (unofficial is fine).
  - c. Fill-in all other application information on the submission website and hit submit!
  - d. Kim will contact you regarding your status and to arrange an online interview as a possible participant!
  - e. Following the interview, you will be contacted about your participation status.
2. APPLICATION DEADLINES:
  - a. EARLY APPLICATION DEADLINE (note space is limited): **BEFORE April 1, 2022**
  - b. GENERAL APPLICATION DEADLINE: **April 1, 2022**
  - c. LAST CHANCE APPLICATIONS: **AFTER April 1, 2022**
3. **DO NOT DELAY SUBMITTING YOUR APPLICATION** - this course fills quickly & space is limited!
4. If you are accepted into the course & are a CLA major, please visit <https://anthgr.colostate.edu/undergraduate-programs/scholarships/> to apply for an Anthropology Field School Scholarship!

Please contact KIM NICHOLS at [kimberly.nichols@colostate.edu](mailto:kimberly.nichols@colostate.edu) if you have questions!