

Anth 470: Paleontology Field School 2020

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Course Description & Learning Objectives:

This course provides hands-on paleontological field and lab experience. Our focus is on primate-bearing fossil localities dating to 56-52 Ma, the early Eocene (Willwood Formation), in the Bighorn Basin, Wyoming. Participants will learn how to identify vertebrate fossils, fossil collection methods, stratigraphy, paleosol development, field documentation & accession methods, & lab preparation techniques and cataloguing. Paleontological data will be analyzed for insights on early primate evolution and adaptation. Upon completion of this course, students will be able to: (1) identify dental and skeletal vertebrate fossil anatomy; (2) employ field paleontology collection methods; (3) utilize stratigraphic data; (4) prepare fossils for museum curation; (5) utilize lab imaging technology; (6) produce a professional field report that incorporates field and lab paleontological data on an assigned fossil taxon or locality.

Course Dates: June 15 - July 10, 2020

JUNE 15 - JUNE 20: CSU FORT COLLINS, Daily Lab Meetings (Primate Origins Lab, GSB 342A)		
Monday – Friday	11:00 am - 3:00 pm	Instruction, Lab Activities, Preparation for the Field
Saturday	Day off	Pack for the Field
JUNE 21 - JUNE 27: BIGHORN BASIN, WYOMING, Daily & Nightly Field Paleontology		
Sunday, June 21	7:00 am	Pack CSU Vans; Depart for Greybull, WY
Monday - Saturday	9:00 am – 4:30 pm 6:00-9:00 pm, approx.	Daily Fossil Recovery at localities in the Bighorn Basin, WY Nightly Fossil Accession in Camp
	Full Day	Thermopolis Dinosaur Museum or Alternate (approx. \$10-\$15*)
JUNE 28 – JULY 4: BIGHORN BASIN, WYOMING, Daily & Nightly Field Paleontology		
Sunday - Saturday	9:00 am – 4:30 pm 6:00-9:00 pm, approx	Daily Fossil Recovery at localities in the Bighorn Basin, WY Nightly Fossil Accession in Camp
	Full Day	Cody Buffalo Bill Museum Complex or Alternate (approx. \$20-\$25*)
JULY 5 - JULY 10: CSU FORT COLLINS, Daily Museology & Field Report Preparation (Primate Origins Lab, GSB 342A)		
Sunday, July 5	7:00 am – 6:00 pm, approx	Pack CSU Vans; Depart for CSU Fort Collins; Transfer fossils and equipment to Primate Origins Lab (GSB 342A)
Monday, July 6	11:00 am - 5:00 pm	Full Day, Fossil Unwrapping, Preparation, Labelling
Tuesday - Friday	11:00 am – 3:00 pm	Daily lab work; 2 hrs Fossil Prep + 2 hrs Field Report Prep
MONDAY JULY 13: FIELD REPORT DEADLINE: electronic submission at course website		

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 expenses during the two week field trip:
 - o Roundtrip transportation between CSU Fort Collins & Greybull, Wyoming and in the field
 - o Individual field materials (e.g., field notebook, hand lens, lanyard, etc.)
 - o Field meals: breakfast, lunch, dinner (first night through last morning in Greybull)
 - o Nightly campsite fees (*students must supply their own tents & sleeping bags*) & meeting and storage room fees

Additional Costs to Students:

1. Students are responsible for museum visit fees*, approximately \$30 - \$40 based on previous field seasons
2. Students are responsible for housing & meals in Fort Collins (first & fourth weeks of the course)

Application Process:

1. Electronic 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 explains (1) why you wish to participate in the Paleontology Field School and (2) how this experience will help you to meet your long-term goals.
 - b. Attach a copy of your unofficial transcripts.
 - c. Fill in all other application information on the submission website and hit submit!
 - d. Kim will contact you regarding your status and, if room permits, to arrange an interview as a possible participant!
 - e. Following the interview, you will be contacted about your participation status.
2. APPLICATION DEADLINES:
 - a. EARLY APPLICATION DEADLINE: **Before February 14, 2020**
 - b. GENERAL APPLICATION DEADLINE: **February 14, 2020**
 - c. LAST CHANCE APPLICATIONS: **February 15 – May 1, 2020**
3. This course fills quickly; **DO NOT DELAY SUBMITTING YOUR APPLICATION!**
4. If you are accepted into the course and are a CLA major, please visit <https://anthgr.colostate.edu/undergraduate-programs/scholarships/>. Go to Anthropology Field School Scholarships and apply for a scholarship!