

Anth 470: Paleontology Field School 2019

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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 56-53 Mya, the early Eocene (Willwood Formation), in the Bighorn Basin, Wyoming. Participants will learn how to identify vertebrate fossils, field fossil collection methods, stratigraphy, paleosol development, field documentation & accession methods, & lab preparation techniques and cataloguing. Data obtained 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 fossil 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 data on an assigned fossil taxon or locality.

Course Dates: June 17 - July 12, 2019

JUNE 17 - JUNE 21: CSU FORT COLLINS, MEET DAILY IN THE PRIMATE ORIGINS LAB, ROOM GSB 342A		
Monday - Friday	11:00 am - 3:00 pm	Instruction, Lab Activities, Daily Preparation
JUNE 23 - JUNE 29: BIGHORN BASIN, WYOMING		
Sunday, June 23	7:00 am	Pack CSU Vans; Depart to Greybull, WY
Monday - Saturday	9:00 am - 4:30 pm	Daily Field Paleontology, Bighorn Basin, WY
	6:00-9:00 pm, approx..	Crew Field Accession
	Full Day	Thermopolis Dinosaur Museum (approx. \$5.00* - \$10.00*)
JUNE 30 - JULY 6: BIGHORN BASIN, WYOMING		
Sunday - Saturday	9:00 am - 4:30 pm	Daily Field Paleontology, Bighorn Basin, WY
	6:00-9:00 pm, approx	Nightly Field Accession
	Full Day	Cody Buffalo Bill Museum Complex (approx. \$15.00* to \$20.00*)
JULY 7 - JULY 12: CSU FORT COLLINS, MEET DAILY IN THE PRIMATE ORIGINS LAB, ROOM GSB 342A		
Sunday, July 7	7:00 am - 5:00 pm, approx	Pack CSU Vans; Return to CSU Fort Collins; Transfer fossils and equipment to Primate Origins Lab (GSB 342A)
Monday, July 8	11:00 am - 5:00 pm	Full Day, Fossil Unwrapping, Preparation, Labelling
July 9-12	11:00 am - 3:00 pm	2 hrs Fossil Preparation + 2 hrs Field Report Production
MONDAY JULY 15: 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 - This 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 Daily meals: breakfast, lunch, dinner (Starts with dinner on June 23; Ends with breakfast on July 7)
 - 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 \$20.00 to \$30.00, based on previous field seasons
2. Students are responsible for housing & meals while in Fort Collins (first & fourth weeks of the course)

Application Process:

1. Submit typed answers on application form (next page) electronically to kimberly.nichols@colostate.edu
 - a. Visit <http://anthropology.colostate.edu/field-schools/paleontology-field-school/> for a word.doc copy of application
 - b. After you submit your application, Kim will contact you to arrange an interview!
 - c. After the interview, you will be contacted about your participation status (accepted, waitlisted, declined); priority to CSU undergraduate applicants
2. APPLICATION DEADLINES:
 - a. EARLY APPLICATION DEADLINE: December 21, 2018
 - b. GENERAL APPLICATION DEADLINE: February 14, 2019
 - c. LAST CHANCE APPLICATIONS: February 15 - May 1, 2019
3. This course fills quickly, **so do NOT delay submitting your application!**

