

Death Valley A Geologic Wonderland

EES 3 Geology Field Trip, Spring 2013, CN: 35097
March 7th - March 10th 2013

1 Unit – Credit/No Credit

The class is open to all CSUF students and is specifically designed for non-science majors.

This course is a 4 day trip to Death Valley. We will learn about continental collisions and volcanic eruptions. The trip will be lead by one of EES's instructors, Kerry Workman Ford, whose passion for geology brings Earth's history to life.

SOME AREAS WE WILL VISIT:

Mosaic Canyon – a ¼ mile hike reveals a narrow canyon winding through banded marble mixed with colorful mosaic patches of agglomerated fragments, worn smooth by the countless floods.

Sand Dunes – Visit the graceful curves of a pale mountain of sand covered with shadowed ripples.

Zabriskie Point – Looking out from Zabriskie Point, you are viewing a forbidding, almost unearthly, desert landscape of finely-sculpted, golden brown rock. Only the sparsest vegetation can survive in this intricately carved terrain.

Badwater – At -282 feet this is the lowest spot in the Western Hemisphere, a great, extraordinarily flat expanse of shimmering white crystals salt spreads out before you.

Ubehebe Crater – when magma met water-soaked bedrock and alluvial fan sediments, water flashed to steam, and a violent release of steam-powered energy blasted away the confining rock above, producing a dense, ground-hugging cloud of rocky debris which surged out up to 100 miles/hour.

FACILITIES: We will be tent camping three nights at Furnace Creek Campground. No prior camping experience necessary. You will need to bring a warm sleeping bag and a tent. A detailed equipment list will be provided at the first organizational meeting.

MEALS: Our staff will prepare both breakfast and dinner each day in camp. Each morning participants will pack lunches before heading out in the field for the day.

TRANSPORTATION: Transportation will be in University vans. Private vehicles are prohibited.

FEE: \$60 will be billed to your Fresno State account which includes all transportation, camp fees, and meals.

TO ENROLL: Contact the EES office to obtain the schedule number and a permission number that will allow you to enroll online through the "My Fresno State" portal. The University will bill you for the \$60 course fee.

MANDATORY MEETINGS: There will be two mandatory meetings held before the trip. The first meeting will be held on: February 8th at noon in Science 2 room 125. The second meeting will be held on February 22nd at noon Science 2 room 125.

For More Information: Please attend each of the orientation meetings. You may also email Kerry Workman Ford at kworkman@csufresno.edu

