

# Death Valley Geology Field Trip Spring Break 2018



Death Valley is the lowest and driest place in North America and is the host to a very wide range of geological features including:

Snowball earth: diamictite, cap carbonate

Cordilleran fold/thrust belt: miogeocline sequence, thrust faults

Basin and Range: active normal faults and volcanoes, detachment faulting, chaos

Desert geomorphology: alluvial fans, bajada, playa lake, sand dunes, skating rocks

Economic geology: borax and talc mines

The field trip will leave on Friday March 9 and return on Saturday March 17 (dates tentative). While in Death Valley, we will be camping. Cost: minimal-zero.

To participate in the field trip, you must have taken/be enrolled in at least one course geology course with a GEOL111 prerequisite. Before the field trip there will be quasi-weekly 2 hour long evening meetings during which we learn about the Death Valley region and prepare a guide for the field trip. Together the field trip and meetings will constitute GEOL490H: Special Topics in Death Valley Geology. During add/drop you must register for GEOL490H.

Questions: See Peter.