

Geology Department Field Studies Spring 2020

Geology 176: California Mother Lode (5500)- 1/2 unit

Sat., March 14 (7:30am - 7:00pm)

Mineral hunting (pyrite, mariposite, quartz crystals and more) highlight this trip which will explore the southern Mother Lode between Mariposa and Jamestown. Other sights include ghost towns, old mines, ancient lava flows, and the California State Mineral Exhibition (Fee \$18.00).

Geology 172: Yosemite Valley (5499)- 1/2 unit

FRIDAY, April 10 (7:30am - 7:00pm)

One of the world's most famous works of nature, Yosemite Valley is a perfect locale for understanding the work of glaciers, streams, landslides, and the processes producing granite. Stops include the lower Merced River valley, Bridalveil Falls, Yosemite Falls and Inspiration Point, and if possible, a look at flood and landslide damage (Fee \$18.00)

Important Details!

Each of these field trips is a separate course for academic credit. To enroll, you will need an add card from the instructor. When you enroll, a per-credit fee is charged, but the trip fee is charged separately in the admissions/business office.

Academics:

You are expected to take field notes and complete a worksheet for each field trip you attend. They are due by Thursday of the week after the field trip.

A: 100-90 B: 89-80 C: 79-70 D: 69-60 F: <60

For each day trip, bring a sack lunch, canteen (or small ice chest), notebook, and coat or rain protection if the weather threatens. Rock hammers and cameras are optional. Transportation is provided by the school (private vehicles are not allowed on trips). We will meet in front of the Science Community Center (north side) on West Campus at 7:30 AM. We generally expect to return about 7:30 PM. More information at <http://hayesg.faculty.mjc.edu/geology171x.html>.

Student Learning Outcomes:

Identify the characteristic rock and mineral specimens, landforms, and geologic structures of the field trip areas.

Model the geologic history of the central Sierra Nevada based on field observations of rock and structure relationships.

