

Geology 30
Geology of Big Sur Region & Point Lobos State Reserve
Spring 2018 Syllabus

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General Information

Please read the following very carefully, you are responsible for knowing the information on these pages. This is a 1 unit weekend course on the general geology of the Big Sur Region and Point Lobos State Reserve. Grading will be based on student participation and a take home final exam.

IMPORTANT NOTES: There will be one preliminary meeting at Cabrillo College where geology, car pools and other logistical details will be discussed. Attendance at this meeting is mandatory. Only students enrolled in the course will be allowed to attend, no guests at all. You cannot attend this field class if you are not registered. No exceptions. Students are responsible for their own transportation to and from the field areas.

Saturday, April 21st, Room 705, 9:00am - ~Noon. There will be geology discussions on general principles of geology, global tectonics and the geologic history of Central California. We will also organize meal planning, carpooling and other field trip logistics. This meeting is required.

Friday, April 27th, 7:00 pm Limekiln State Park Campground. There will be a logistical meeting at the campsite along with some special presentations.

Saturday April 28th, Hike into UC Big Creek Reserve. We will depart the campground promptly at 8:00am. Make sure you are prepared for a moderate to rigorous day hike. Bring plenty of food and water, field gear for any type of weather, lecture notes etc. We will likely be gone from our camp for at least 6 hours.

Sunday April 29th, Drive to Point Lobos State Reserve and hike. We will depart the campsite promptly at 8:00am and drive to Point Lobos State Reserve. We will park outside the State Reserve. This hike will take approximately 6 hours so please bring plenty of food and water, field gear for any type of weather, lecture notes etc. There are bathrooms along the way.

• **Carpooling to our field areas is essential, since parking is limited. We'll organize carpools at the on-campus meetings and we'll need everyone to participate. The college will provide 3 vans.**

• **This trip requires camping on Friday and Saturday nights..**

Some things you will like want to bring:

- sleeping bag
- tent (there are wild boar to watch out for!)
- camp food (keep it in the car unless you're eating it!)
- cooking gear
- warm clothes (it has sometimes dropped below freezing before dawn)
- sunscreen and sunglasses
- binoculars or telescope would be nice if you have them
- field notebook
- daypack for the geology hikes (lots of water, snacks, lunch)
- lawn chair (optional)

- The campsite is accessible by car so you do not need backpacks. It has water, restrooms, showers,
- The trip will go, rain or shine. If it's raining, bring rain gear.
- This is an officially sponsored Cabrillo College course. The instructors and the college can get in a lot of trouble if anybody does anything dumb. Please leave your rifles, alcohol, and recreational drugs home.

You'll receive maps and more detailed hand-outs on the academic material in these courses when we are in the field.

Your course grade will be determined by class participation and your performance on a "take home" Final Examination.

Student Learner Outcome Geology 30:

1. Construct an outline that illustrates a detailed geologic history of the Big Sur region, the Pinnacles National Monument and Point Lobos State Reserve including the age, origin and distribution of minerals and rocks as well as the changing tectonic, physical and depositional settings.