

Geology 180: Geology of Yosemite National Park

Even though it lies in our own back yard, Yosemite National Park is a national treasure. Its unique combination of vertical cliffs, high waterfalls, granite outcrops, and glacial features gives the park a rare beauty, and a marvelous opportunity to learn about geology that can be seen nowhere else in the world.

It should be understood that this trip may be a **rigorous** test of your patience and health. There will be several long driving days, and conditions may become harsh, and **rain, snow, and extreme cold** are serious possibilities. The success of the trip will depend on your amiability and willingness to put up with inclement conditions.

Date: October 9-11, 2015
Leave Friday, October 9 at 8:00 am
Return Sunday, October 11 at about 7:00 pm

Cost: \$45.00 fee payable in the business office (you **must** pay this fee to go on the trip).

Academics: 1 unit. Information available from Garry Hayes, Science 336. **Space is limited.**

Recommended Text: Geologic Story of Yosemite National Park by N. King Huber

Academic Requirements:

BEFORE THE TRIP:

- You must attend the following organizational meeting:
Thursday, Sept. 17, at 5:30 PM in Science Community Center 326
- You must research and write a short synopsis (2 pages) of the geology of any of the following subjects:
Granitic Plutons of the Sierra Nevada
Alpine Glaciers
History and Tourism in Yosemite
The Native Americans of Yosemite
John Muir, Joseph LeConte, or Josiah Whitney

DURING THE TRIP:

- You will be expected to take complete lecture notes
- You will be expected to complete the worksheet provided at the beginning of the trip.

AFTER THE TRIP:

- Notes and worksheets are to be submitted by Thursday October 15, at 5:30
- Final exam on Thursday October 15 at 5:30 PM in Science Community Center 326

Logistics:

You will be responsible for your own meals for this trip. I strongly recommend getting together with others to save money and space. Keep meals as simple as possible. For breakfast, it is best to use meals requiring only milk or hot water for their preparation. Lunches should consist of snacks that can be eaten all day. Dinners are easiest when they're out of a can! Expect to bring or buy dinner on Friday evening. You will need 2 dinners, lunches and breakfasts.

We will be camping out, and **cold temperatures** are highly likely. Snow and cold rain are possibilities. Please be prepared to be comfortable in these conditions. We will be doing some moderate hiking, so please bring adequate walking shoes as well. **No booze, alcohol, drugs allowed at school functions.**



Itinerary:

Friday, October 5:

Stops: Sierra Nevada Foothills
Campsite: Wawona Campground, Yosemite Nat. Park

Saturday, October 6:

Stops: Wawona
Glacier Point – Sentinel Dome Hike
Yosemite Valley: Bridalveil Falls, Happy Isles Rockslide
Campsite: Crane Flat Campground, Yosemite Nat. Park

Sunday, October 7:

Stops: Siesta Lake
Tuolumne Grove Sequoia Trees
Tuolumne Meadows
Return to MJC, approximately 7:00pm



Suggested Equipment

SPACE IS AT A PREMIUM: PLEASE PACK AS COMPACTLY AS POSSIBLE!

Personal:

Warm Sleeping Bag	Foam Pad
Personal Toilet Kit	Day Pack
Eating utensils, cup, plate	Poncho or rainsuit
Warm jacket or coat	Warm hat
Walking shoes	Gloves or mittens
Changes of clothes	Flashlight (bring two)
Sunglasses	Extra batteries
Sunscreen	Toilet Paper
Clipboard, Pen, Pencils	Paper

Group:

Tent	Cleaning supplies
Cooking utensils	Ice Chest
Stove	Lantern

Optional:

Camera
Rock hammer
Pillow and/or extra blanket
Folding Chair (if room available)
You may wish to bring some extra cash for junk food, maps, books, etc.

No booze, alcohol, or drugs.