



Santa Barbara City College
Department of Earth and Planetary Sciences

Earth 134

Geologic Field Studies of the Western Sierra Nevada

Monday, July 30 - Monday, August 6, 2018
Summer Session 2

Western Sierra Nevada Information Sheet

Earth 134 - Geologic Field Studies of the Western Sierra Nevada is an eight-day/seven-night field course to learn about the geology and geologic history of the Western Sierra Nevada, California. On this field course, you will study the spectacular scenery of Sequoia, Kings Canyon and Yosemite National Parks, plus a few selected sites from the Eastern Sierra Nevada. The goal of your visit to these geologic sites is to understand the processes that have shaped them including earthquakes, volcanoes, glaciers and rivers.

The course involves camping out seven nights, some light hiking, taking notes at daily lecture stops, taking quizzes, and helping with the preparation of meals and with other camp duties.

Instructional and Support Staff

SBCC Earth Science professor, **Bill Dinklage**, will provide instruction for students on the course. **Kevin McNichol**, Lab Supervisor, organizes and supervises the logistics of the course and camp setup.

Requirements

This course is introductory in nature--no pre-requisites or concurrent enrollment are required. Students interested in the earth sciences are encouraged to participate.

Academic course. This geology field course is an academic course, not a vacation, or camp-out, or party. You should be prepared to work and study during both the day and in the evening.

Course Credit and Grading

You will receive 2.5 units of credit for taking Earth 134. Grades are based on the following:

Pre-trip half-day exercise	5% of grade
Lecture stop participation	15% of grade
Field trip notebook	35% of grade
7-8 quizzes	45% of grade

Quizzes are given each morning in camp. The first quiz will include knowing the Geologic Time Scale. Please memorize the time scale prior to the trip.

Logistics and Work Crews

SBCC vehicles are used for transportation on the field course. No private vehicles are allowed on the course.

Students assist the food crew in preparing meals and clean up. All meals are provided *except* for lunch on the

first day. Students will be expected to pitch in with KP and vehicle keep-clean duty.

Cost . . . \$ 140 + unit fees

Includes: Transportation, meals, and field guidebook.

Not included: Camping equipment (warm sleeping bag, sleeping pad and small tent--borrow or rent if you do not own these items), lunch on the first day, personal items and expenses, \$30 for shower stops, SBCC registration fees. No textbook is required for the field course. You may wish to bring some spending money for books, maps, junk food, batteries, etc.

Accommodations. We generally camp in established camp areas with running water and bathrooms.

How to Sign Up

1. Enroll in the course (CRN 81373.) Students may register online or in the Admissions Office during summer school registration. Pay all fees via Pipeline. If you do not pay all fees within 10 days of registering, you will be automatically dropped for nonpayment. We will overfill the course to be sure we end up with a full roster of students who have paid. Please ask Bill Dinklage for an add authorization code if the course is filled. *Space is limited on the field course. Enrollment is on a first-come, first-served basis and may fill quickly.*

2. Print out an **Equipment List** from:
http://www.sbcc.cc.ca.us/earthscience/earth134_ws.php

Please Note

Refunds. If you must withdraw, please do so before Friday, July 20 via Pipeline and let Bill Dinklage know. After that, food and transportation will have been planned for you. Your space on the course is not transferable. There will be no refunds for students who miss the course.

Weather. You will be outside at the mercy of extremes in weather. The temperature may be in the 80s or 90s during the day and it may drop into the low 20s at night. The evenings in the Sierra Nevada are not like the mild, balmy evenings in Santa Barbara. During most of the trip, we will be at 3500+ feet elevations. Thunder-showers are always a possibility as well. **BE PREPARED!** Our nightly campsites will generally be in forested areas. Bears are a possibility, so please follow the directions of the staff in regard to food and snack storage.

No booze or drugs. No alcohol or illegal drugs are allowed at any time from our departure to our arrival back on the SBCC campus.

Bill Dinklage
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(805) 730-4114

MANDATORY Pre-Field Course Orientation Meeting and Schedule

Date	Event and Location	Time	What We Will be Doing
July 26, Thursday	<u>Pre-Course Orientation Meeting</u> in EBS 123, Earth and Biological Sciences Building	8:00 am - 10:00 am	Review logistics of course
July 27, Friday	Preview of course content, EBS 123	9:30 am – 12:30 pm	Overview of rocks and plate tectonics. Students who have satisfactorily completed physical geology (Dynamic Earth) lab (ERTH 111L) are excused.
July 30, Monday	Departure from EBS 123	5:45 am	Bring your well-labeled luggage
August 6, Monday	Return to SBCC	Early evening	



Questions?

Or for more information and pictures of previous field courses, visit:
http://www.sbcc.cc.ca.us/earthscience/earth134_ws.php

Or call: SBCC Earth Sciences Dept.
(805) 730-4115