

Lecturers - Department of Earth and Planetary Science
University of California Berkeley

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Posted Oct. 31, 2024, set to expire Feb. 27, 2025

Job Title	Lecturers - Department of Earth and Planetary Science
Department Institution	University of California Berkeley Berkeley, California
Date Posted	Oct. 31, 2024
Application Deadline	05/09/2025
Position Start Date	Available immediately
Job Categories	Lecturer/Instructor
Academic Field(s)	Geology/Geosciences - General Planetary Sciences Earth Sciences Astronomy and Astrophysics
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Job Description

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The Department of Earth & Planetary Science at the University of California, Berkeley invites applications for a pool of qualified temporary lecturers and lecturers in lieu of GSI's to teach in Spring 2025:

EPS103 Introduction to Aquatic and Marine Geochemistry 4 Units

Introduction to marine geochemistry: the global water cycle; processes governing the distribution of

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chemical species within the hydrosphere; ocean circulation; chemical mass balances, fluxes, and reactions in the marine environment from global to submicron scales; carbon system equilibrium chemistry and biogeochemistry of fresh and salt water; applications of natural and anthropogenic stable and radioactive tracers; internal ocean processes. Students participate in a one day field trip to sample and analyze waters in the vicinity of Tomales Bay and Point Reyes. 3 hours of lecture and 1.5 hours of discussion week, and a 10 hour field trip.

Schedule: Mon & Wed Lecture from 9:30-11am OR Tues Thurs from 12:30-2pm

Or

PS113 Biological Oceanography and Biogeochemistry 4 Units We will survey the biological oceanography underlying geochemical transformations in the sea. Students will develop a strong understanding of evolution, the central dogma of molecular biology, cell structure across the domains of life, population ecology, the metabolic strategies employed by marine organisms, and the biomarkers of life in the ocean. These biological concepts will be the foundation for understanding geochemical shifts as the earth was oxygenated, changes in inorganic nutrient pools with depth and location, nitrogen cycling, Southern Ocean silica leakage, the cryptic sulfur cycle, redox chemistry leveraged by organisms at hydrothermal vents, and the biological carbon pump.

Schedule: Mon & Wed Lecture from 9:30-11am OR Tues Thurs from 12:30-2pm

To apply: <https://aprecruit.berkeley.edu/JPF04445>

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, age, or protected veteran status.

Instruction Begins Tuesday, January 21, 2025 - Last Day of Instruction Friday, May 9, 2025 Final Examinations Monday, May 12-Friday, May 16, 2025 Spring Semester Ends Friday, May 16, 2025.

Contact Information

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Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

N/A

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