EARTH AND PLANETARY SCIENCES

Kline Geology Laboratory, 203.432.3124
http://earth.yale.edu
M.S., M.Phil., Ph.D.

Chair
Maureen Long

Director of Graduate Studies
Mary-Louise Timmermans

Professors  Jay Ague, David Bercovici, Ruth Blake, Mark Brandon, Derek Briggs,
David Evans, Alexey Fedorov, Debra Fischer, Jacques Gauthier, Shun-ichiro Karato,
Jun Korenaga, Maureen Long, Jeffrey Park, Noah Planavsky, Peter Raymond, James
Saiers, Mary-Louise Timmermans, John Wettlaufer

Associate Professors  Bhart-Anjan Bhullar, Matthew Eisaman, Pincelli Hull

Assistant Professors  Juan Lora, Alan Rooney, Lidyta Tarhan, Jordan Wostbrock,
Elizabeth Yankovsky

FIELDS OF STUDY

Fields include geochemistry and petrology, geophysics, ice physics, mineral physics,
seismology and geodynamics, structural geology and tectonics, paleontology and
paleoecology, oceanography, meteorology, cryospheric dynamics, and climatology.

Students admitted in 2020 or earlier have the option of receiving a degree in either
geology and geophysics or Earth and planetary sciences. Students admitted in 2021
and subsequent years will receive a degree in Earth and planetary sciences.

SPECIAL REQUIREMENTS FOR THE PH.D. DEGREE

There is no formal language requirement and no required curriculum. Students plan
their course of study in consultation with their adviser to meet individual interests
and needs and to lay the foundations for dissertation research. At the end of the
first year the faculty reviews the standing of each student. A student recommended
for continuation in the Ph.D. program will be so notified. Some students may be
encouraged at that time to pursue only the M.S. degree. At the end of the second
year the faculty reviews each student’s overall performance to determine whether
the student is qualified to continue for the Ph.D. degree. In order to qualify, a
student must have met the graduate school Honors requirement and maintained a
better than passing record in the areas of concentration. Also, a student must have
satisfied the requirements of the Qualifying Exam by having completed two Research
Discourses termed (according to their degree of development) the Minor and the Major
Discourses. The Major Discourse will be presented at the Qualifying Presentation,
followed by an extended question period wherein the student must successfully defend
both Discourses. Remaining degree requirements include a dissertation review in the
third year; the preparation and defense of the dissertation; and the submission of the
dissertation to the graduate school.
Teaching experience is regarded as an integral part of the graduate training program in Earth and Planetary Sciences. For this reason, all students are required to serve as teaching fellows for two terms during the course of their predoctoral training. Students who require additional support from the graduate school must teach additional terms, if needed, after they have fulfilled the academic teaching requirement.

In addition to all other requirements, students must successfully complete EPS 710, Responsible and Ethical Conduct of Research, prior to the end of their first year of study.

MASTER’S DEGREES

M.Phil. See Degree Requirements under Policies and Regulations.

M.S. Awarded only to students who are not continuing for the Ph.D. Students are not admitted for this degree. See Degree Requirements under Policies and Regulations. Additional requirements include a research essay or thesis and M.S. defense with the approval of the DGS and the student’s thesis committee.

Program materials are available at http://earth.yale.edu or upon request to the Director of Graduate Studies, Department of Earth and Planetary Sciences, Yale University, PO Box 208109, New Haven CT 06520-8109; email, dgs@eps.yale.edu.