

HARVARD FOREST

Established in 1907
FAS research department
Harvard's 3,500-acre laboratory & classroom
NSF Long-Term Ecological Research site since 1988



FACULTY RESEARCH OPPORTUNITIES

An Interdisciplinary Research Platform

Harvard Forest welcomes **new investigators** from fields including:

- Ecology
- Anthropology
- Env. History
- Landscape Design
- Public Health
- Computer Science
- Biogeochemistry
- Geography
- Conservation
- Policy, Finance & Law
- Science Communications
- Evolutionary Bio.
- Botany
- Engineering
- Visual Arts

Comprehensive **research facilities & resources** on our 3,500 acres of forest, ponds, streams, wetlands, and pasture, include:

- Field wireless internet access throughout the main forest research area
- Multiple eddy-flux towers with walk-up access to the tree canopy
- Farmhouse-style accommodations and classroom/meeting space for individuals & groups of up to 50
- Laboratory facilities for paleoecology, biogeochemistry, dendrochronology, plant physiology, soils analysis, and microbial ecology
- Greenhouses, shade houses, and an experimental garden
- Lab Manager and Research Assistant to assist Cambridge-based faculty
- Historical archive, 10,000-volume library, and herbarium of local flora
- The Fisher Museum, with 23 dioramas of forestry and land-use history

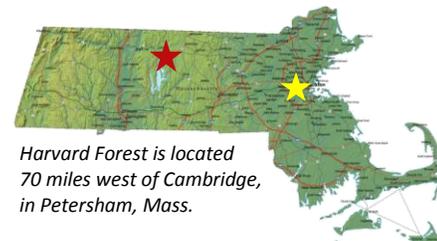
Unparalleled research infrastructure attracts more than 100 scientists and scholars annually:

- World's longest record of carbon exchange between forests and the atmosphere
- An NSF-funded Long-Term Ecological Research (LTER) site since 1988
- The Northeast core site for NSF's National Ecological Observatory Network (NEON)
- 35-hectare forest dynamics plot (Smithsonian Institution Global Earth Observatory)
- Northeast Science-Policy Consortium to broaden regional & national research impacts

Online Resources

To bridge the 70-mile distance to Cambridge, grant funds from Harvard and NSF have enabled us to:

- Live-stream our weekly Seminar Series for real-time distance participation
- Provide online access to all long-term datasets via an interactive data map and archive
- Continue the digital conversion of our document and photo archive



Harvard Forest is located 70 miles west of Cambridge, in Petersham, Mass.



Visit us online at <http://harvardforest.fas.harvard.edu>.



STUDENT ENGAGEMENT OPPORTUNITIES

Course Field Trips & Weekend Retreats

Graduate and undergraduate courses from across the university regularly visit the Harvard Forest for guided **tours** of the Fisher Museum, natural history trails, and long-term research sites. We also welcome large lab/departmental **retreats or weekend-intensive courses/workshops** during the academic year for five to fifty individuals.



Graduate Student Research

Doctoral students with Cambridge-based advisors from the departments of Organismal and Evolutionary Biology, Earth and Planetary Sciences, and the Graduate School of Design conduct their field research at the Harvard Forest. We welcome research proposals from advisors and students from across the university.



Summer Research Program (REU)

Now in its 26th year, with 30 undergraduate participants, the 11-week Harvard Forest Summer Research Program is NSF's largest REU program in ecology.

- **New project proposals by Harvard faculty and graduate student mentors** are given funding preference.
- Interdisciplinary group projects with multiple mentors allows some **flexibility in continuous on-site mentorship requirements**.



On-Site Courses

Harvard Forest's immersive undergraduate and graduate courses involve lectures, workshops, and field excursions with faculty. Student feedback repeatedly praises not only the Forest's

rural setting and dynamic research but also the wide range of disciplines represented by **Harvard instructors and guest speakers**. Courses include:

- Summer **Field School in Archaeology & Paleocology** (6 weeks)
- Harvard's longest-running **Freshman Seminar: Global Change Ecology** (4 weekends)
- Interdisciplinary **Winter Break Week: Reading & Conserving New England** (1 week)



Questions? Ideas? Contact:

David Foster, HF Director & OEB faculty - drfoster@fas.harvard.edu
Clarisse Hart, HF Outreach & Education Manager - hart3@fas.harvard.edu

Or visit us online at <http://harvardforest.fas.harvard.edu>.

