

Harvard Forest offers an exciting program for up to 35 undergraduate students from institutions across the country to collaborate with scientists conducting ecological research for 11 weeks during the summer of 2012.

Program Description: Each student will participate in an ongoing study with senior researchers from Harvard University, the Ecosystems Center of the Marine Biological Lab, University of New Hampshire, University of Massachusetts, Boston University, and other collaborators. Responsibilities generally include field and laboratory studies, data analysis, and scientific writing. In addition, students attend weekly research seminars given by nationally known scientists, workshops on research and ecological ethics, and career and graduate school panels. At the end of the summer, students will develop their research results and present their findings at a student research symposium.

Research Projects: Harvard Forest research focuses on the dynamics of forest ecosystems and their response to natural and human disturbances. While some summer projects involve a single mentor and student, there are several interdisciplinary group projects. These consist of 2 or 3 students working collaboratively with 2 or 3 mentors as a single team. Project areas include population and community ecology, paleoecology, land-use history, conservation management, statistics and modeling, microbial biology, biogeochemistry, and ecophysiology. Projects in summer 2012 will focus on:

Invasive Plants, Pests & Pathogens

Conservation Management and Biodiversity

Plant Biology, Population and Community Ecology

Watershed and Aquatic Ecology

Atmosphere-Biosphere Exchanges

Forest Ecosystem Response to Global Change

Soil Carbon and Nitrogen Dynamics

Ecological Informatics & Modeling

Compensation: Students are paid a stipend of \$5,500 for the 11-week session which runs from May 21 through August 3, 2012. Excellent on-site housing and a full meal plan are included as part of the program. Assistance with travel costs to and from Harvard Forest is also provided.

Who Should Apply: We seek a diverse group of students from a variety of undergraduate programs across the country. Students should have a demonstrated interest in ecology but are not required to have previous field/lab experience and there is no minimum GPA required. We accept students from all class years and majors, and are particularly interested in recruiting students from community colleges and small teaching schools, as well as larger research institutions.

To Apply: Visit <http://harvardforest.fas.harvard.edu/education/reu/reu.html> for project descriptions and our on-line application.

Applications are due on the first Friday in February.

HARVARD UNIVERSITY HARVARD FOREST



RESEARCH PROGRAM IN Ecology



2012
Summer

RESEARCH PROGRAM IN Ecology

The Harvard Forest, established in 1907, is one of the oldest and most intensively studied research forests in North America. Research at the Forest focuses on grand challenges in ecology. Since 1988, the Forest has been a National Science Foundation Long Term Ecological Research (NSF LTER) site investigating the structure, function and dynamics of natural ecosystems in New England. In 2007, it was designated a Core Site in the NSF National Ecological Observatory Network (NEON), a major initiative to establish a continental scale platform for integrated ecological studies.

Work on Challenging Research Issues

"The students who participate in this program have all the benefits of an intense 'field' experience often working side-by-side with their mentor. I cannot think of a better educational setting in which to foster the scientific creativity and skills needed to address the environmental challenges that face our society."

Prof. Missy Holbrook,
Harvard University Faculty
and program mentor



Get Hands-on Lab and Field Experience Mentored by Experienced Researchers

"[My mentor] helped me learn and grow in my understanding for the research I was doing here and in the greater [scientific] context."

UCal-Berkeley student

"The daily field work was amazing because it was a totally new experience which I had never done, and I really enjoyed every single part of it."

Harvard College student

Live with Peers Interested in Science and Ecology

"The environment as a whole was the best part for me – a setting with lots of committed, creative and enthusiastic people I shared so many interests with was very inspiring."

Community College student

Develop Relationships and Skills for the Future

"My mentors were always willing to help when needed, but also willing to leave me to my ways when I did not need help. They both treated me like I was a colleague and took my comments seriously."

Keene State College student



Applications are due February 3, 2012
<http://harvardforest.fas.harvard.edu>

HARVARD UNIVERSITY HARVARD FOREST

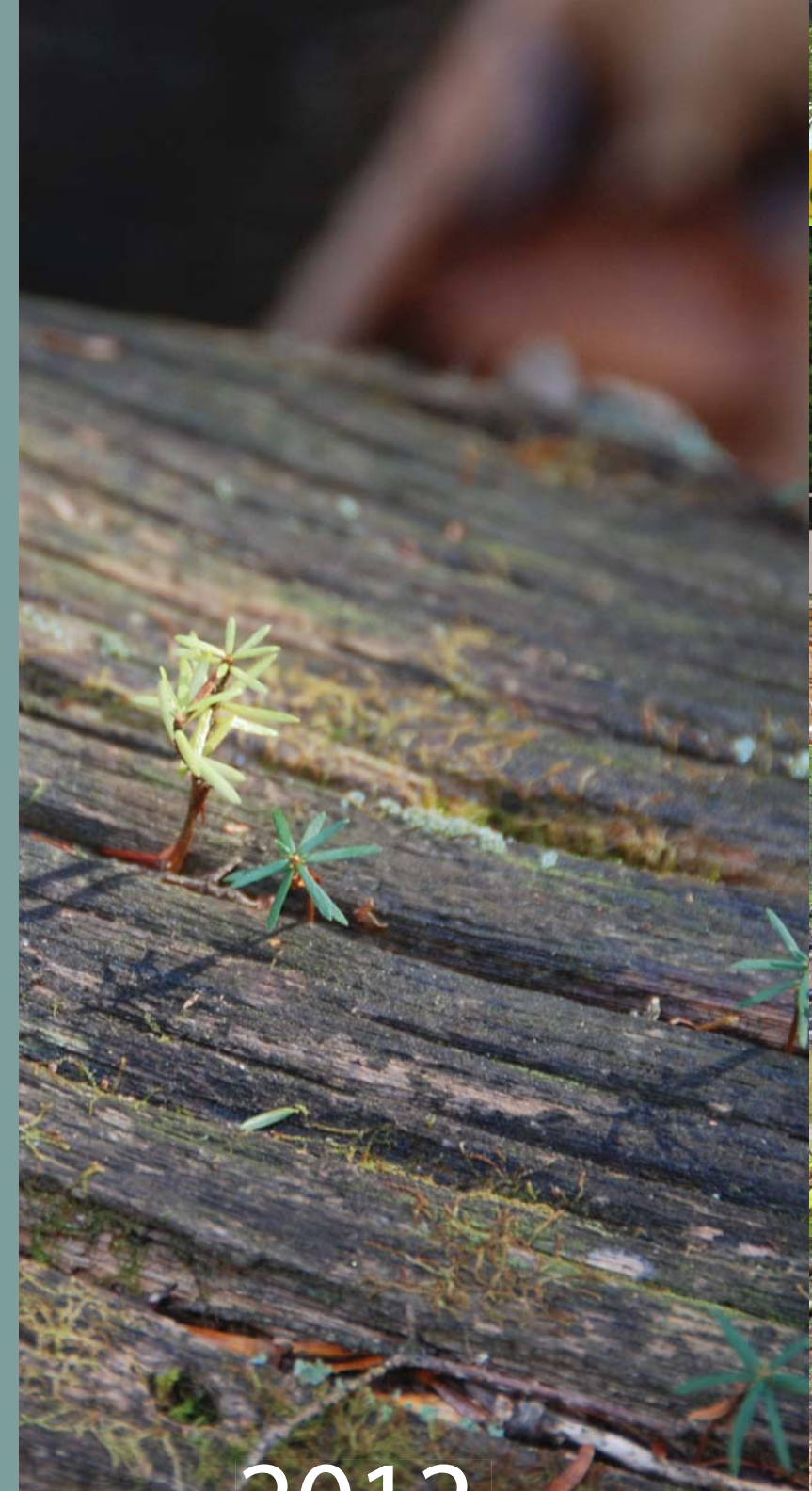
RESEARCH PROGRAM IN Ecology

324 North Main Street
Petersham, MA 01366



Internship Opportunity - please post
Application Deadline: Feb. 3, 2012.
Apply on-line at: <http://harvardforest.fas.harvard.edu/>

RESEARCH PROGRAM IN Ecology



2012 Summer

May 21 - August 3

