

**BIO / EARTHSYS 105 A/B, Ecology and Natural History of Jasper Ridge,
Instructors: Rodolfo Dirzo and Jorge Ramos
2022 Winter and Spring quarters, Thursdays 1:00 PM to 5:00 PM**

Jasper Ridge Biological Preserve (JRBP) is a 481-hectare (1,189 acre) field station located just a few miles south from the main Stanford University campus. JRBP lands have been studied continuously since the university opened in 1891, and this extensive research history includes long-term studies that are landmarks in ecology and population biology. In 1975, Jasper Ridge began developing community education programs that would enhance educational opportunities for both the university and the community. The first docents were community members knowledgeable about the Preserve's natural history and willing to contribute their time and expertise to students and community education by teaching and leading tours. In 1977, Stanford University students were incorporated into the docent program and a formal, rigorous class was established.

The 2022 Biology/Earth Systems 105 is a 20-week 4-unit Stanford University class with in-person classroom and field sessions on Thursday afternoons from 1:00 to 5:00 PM. There is a class fee of \$50.00 for Stanford University students (\$100 for community members) to cover the cost of class materials. BIO/EARTHSYS 105 covers a significant variety of disciplines related to ecology and natural history, including sessions in the fields of geology, soil science, ecology, global climate change, archaeology, botany, and zoology, among others. The different sessions are covered weekly with a lecture from Stanford faculty, all experts in the topic, followed by hands-on fieldwork. The lectures cannot be made up if missed and all students must be committed to be present every week. You will be expected to do an independent research project that will contribute to the mission of JRBP to be presented at the end of the spring quarter.

After completing the course work, successful students also become JRBP docents, and are expected to help and provide field education opportunities and increase community awareness of the work done at JRBP. All JR affiliates are welcome to attend JR continuing education activities throughout the year, such as evening lectures, field classes and lectures. All of these continuing events provide an overview of current research on JRBP, relevant work at other sites, and specialized fieldwork. JR docents/affiliates have opportunities to work with researchers and educators. Some projects at JRBP are managed entirely by docents. For example, for many years, members of the JRBP community have conducted regular bird surveys and produced invaluable bird lists and databases. JR affiliates efforts have also contributed to the outstanding teaching and outreach programs, natural history collection in the JRBP Herbarium, the geology display, and many other research and education projects. What do the JRBP docents get from their participation?

- Access to Jasper Ridge Biological Preserve
- An opportunity to be an active member of the JRBP community.
- Continue to be a life-long learner in a research and educational preserve.
- The reward of working personally in environmental education, ecology, and other research areas.

The deadline to apply is **Friday, October 15th, 2021** for community members.

COMMUNITY MEMBER APPLICATION:

Jasper Ridge Biological Preserve Education Program

BIO/ESYS 105 A/B Docent Training Deadline: **Friday, October 15th, 2021**

First Name: _____ Last Name: _____
Pronouns: _____ Date: _____
Email _____
Phone (home) _____ (work) _____ (cell) _____

Note: The Jasper Ridge Biological Preserve Education Program BIO/ESYS 105 A/B Docent Training program has many more qualified applicants than we can accept each year. The answers to the questions below help us to learn more about you and how you might fit into our program needs and community. Take the time to answer the questions thoroughly and to share information about yourself that you feel is important. Please note that this class meets every Thursday afternoon from 1:00 to 5:30 PM from January to June and all classes are mandatory.

To complete your application please respond to/summarize the following points:

1. Why do you want to become a Jasper Ridge docent? Please include a) how you learned about the program, b) any personal Jasper Ridge interests you might have and c) what you anticipate gaining and contributing to Jasper Ridge Biological Preserve (JRBP)
2. Please describe any related experiences including: other similar programs; previous experience and work in the field of education; special skills relating to environmental education or natural history; experience mentoring and working with diverse audiences, etc.
3. Please describe your science and/or natural history background (level of interest, formal and informal education, etc.) in ecology and related fields.
4. Please describe any related special skills that you feel would benefit the JRBP community. For example, our docents provide many valuable services in addition to tours, including graphic arts, research assistance, publications, educational outreach, computer assistance, and much more.
5. Have you been to JRBP and in what capacity?
6. Do you know anyone who is currently affiliated with JRBP?

For more information call (650) 327-2277 or email jorge.ramos@stanford.edu.

Please email your application to Jorge Ramos (jorge.ramos@stanford.edu) by 11:59pm Friday, October 15, 2021.