



# Wrigley Field Program in Hawaii 2022 Application Guide

## PLEASE READ THIS ENTIRE GUIDE BEFORE APPLYING

Stanford's Wrigley Field Program in Hawaii is an immersive quarter-long interdisciplinary program that investigates the Earth sciences, life sciences, and Hawaiian culture to address environmental issues that arise from the interaction between humans and nature. The program is designed for students interested in Earth systems, biology, geology, environmental sciences, and cultural anthropology. Led by Stanford faculty with extensive research and teaching experience in Hawaii, up to 20 students will spend 12 weeks working, studying, and living on the islands of Hawaii and Kauai.

We will explore Hawaii Volcanoes National Park, the Kohala Forest Reserve, and Puako Reef on the Big Island. On Kaua'i we spend time exploring Koke'e State Park and the Grand Canyon of Waimea as well as the North Shore, where we work with local groups of the Waipa Foundation and Limahuli Garden and Preserve.

The program provides undergraduate students with the skills to characterize Hawaii's natural environment and analyze the interface between humans and nature. The program will use an interdisciplinary Earth systems approach, the scientific method, and field-based inquiry to understand the Hawaiian Earth system and create potential solutions to pressing Hawaiian environmental issues.

This is not your standard study abroad program. While we work with numerous local groups, we spend the majority of our time living and working together. Students should be prepared to work long hours outdoors (including snorkeling!), participate in daily chores, share nearly all meals together, and have very little time to themselves. This program can be very challenging, but if you are up for a challenge it is an amazing and life changing experience.

## At a glance:

### Application Deadline

11:59PM February 16, 2022

### Beginning/Ending of Program

Arrive Hilo, HI: 9/24/22

Depart Kona, HI: 12/15/22

### For academic questions:

Peter Vitousek, Faculty Director  
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### General Questions:

Ryan Petterson, Staff Director  
rypett@stanford.edu

This guide contains the following sections:

1. Eligibility
2. Expectations
3. Financial Considerations
4. Academics
5. Application Process



# Wrigley Field Program in Hawaii 2022

## Application Guide: Eligibility

If you're reading this and interested in the program, we want you to apply! You don't have to be majoring in a science or have experience doing field work. If you are interested in learning to work in the field, studying the environment, and Hawaii you should apply! The most important prerequisite for participation in the Wrigley Program is enthusiasm for working and learning outdoors.

There is one academic prerequisite: at least one related introductory science class (i.e. GEOLSCI 1, BIO 43, HUMBIO 2A). If you have taken one of these or a similar class, please apply.

### Other Eligibility Requirements:

1. You must be a current Stanford Undergraduate at the time of application and for the duration of the program.
2. You must maintain Satisfactory academic progress (<https://exploreddegrees.stanford.edu/academicpoliciesandstatements/#academic-standingtext>);
3. You cannot be on suspension due to Community Standards, Academic Suspension, or Dean's Leave at the time of application or for the duration of the program. Students on academic probation or provisional registration status require the approval of their Undergraduate Advising Director and Wrigley Program Directors.



NOTE: Students that have been accepted into the program will undergo an eligibility check. This check is primarily to ensure that the above requirements are met. The list of accepted students will also be reviewed by several other offices on campus to ensure each student is prepared to be away from campus.

Confidential information will not be shared with program staff, but each office may reach out directly to students to discuss their participation in the program. Concerns raised by other offices and addressed directly with the applicant will not affect a student's acceptance to the program, but depending on the nature of the concern, those offices may encourage certain planning steps be taken or possibly seeking other opportunities.

The Wrigley Program may revoke admission at any point prior to the program should there be any changes to a student's qualifications, standing at the University, or readiness to participate in the program. Program staff will notify the student should there be any concerns, or if the student is no longer eligible to participate in the program.





# Wrigley Field Program in Hawaii 2022

## Application Guide: Expectations

This program is an immersive, field-intensive quarter-long experience. It is unlike other abroad programs. You will be living together, eating together, and spending almost all your time with trip participants.

### Housing

Housing is included in the program. Students live together in very close quarters. We stay in several different dorm-style accommodations. You will be expected to share a room with at least several other people and in one place we have around 8-10 people staying in larger rooms. There will be a mix of assigned roommates and self chosen roommates. Because of the limitations of the facilities we stay, there will be very little ability to provide alternative arrangements, but we will make every effort to accommodate documented accessibility needs.

### Chores

There will be rotating chores that students must do. These include cooking dinner, cleaning, and other duties. There is no cooking or cleaning staff provided.

### Food

Food is also included. This does not include meals that students choose to eat elsewhere. Typically students will use food provided by the program to make their own breakfasts and pack their own sack lunches, but dinner is usually eaten as a group. Dinners will either be catered or cooked by the students (as part of rotating chores). We will always do our best to accommodate for dietary restrictions, but in some locations this can be challenging. For example, there will always be options, but they may not be ideal.

### Time off/Personal time

From feedback from previous students, this might be the most challenging part of the program. While students do usually have a day off every week, and often have time in the evenings, it can be difficult to find time to yourself. Because of where we stay, students need to coordinate the use of program vehicles, which are rarely available to be used alone. Students should be prepared to be flexible on personal time.

### Daily Activities

Activities will include hiking, snorkeling, lots of data collection, farm work, landscaping, and digging. Almost everyday we will be outside doing some sort of physical activity. Weather in Hawaii is highly variable (hot and humid beaches to cold mountain tops), so students should be prepared for working in all conditions. Must be willing to work hard and get dirty!

### Students with Documented Disabilities

Students who need an academic accommodation based on the impact of a disability must initiate the request with the Office of Accessible Education (OAE). Professional staff will evaluate the request with required documentation, recommend reasonable accommodations, and prepare an Accommodation Letter for faculty dated in the current quarter in which the request is being made. Students should contact the OAE as soon as possible since timely notice is needed to coordinate accommodations. The OAE is located at 563 Salvatierra Walk (phone: 723-1066, URL: <http://studentaffairs.stanford.edu/oea>).



# Wrigley Field Program in Hawaii 2022

## Application Guide: Financial Considerations

Financial considerations should not be a barrier to participation and the program will make every effort to reduce financial barriers. The following expenses will be the responsibility of the student:

1. Standard undergraduate tuition rate
2. Room and Board (will be nearly identical to on-campus rate)
3. Flights to and from Hawaii (inter-island flights are purchased by the program)
4. Incidentals, independent meals, personal items, etc.
5. Required personal gear (snorkeling equipment, hat, boots, rain coat, etc - you will be provided with a detailed required gear list)

If you are currently receiving financial aid through the Stanford Financial Aid Office, you will receive additional support that will cover airfare and all the required equipment on the gear list.





# Wrigley Field Program in Hawaii 2022

## Application Guide: Academics

The Wrigley Field Program consists of one Spring 2022 course and three courses and an independent research project (15 total units) during the fall of 2022. The courses are taught through a series of ~10 day modules by Stanford professors who come to Hawaii and live and work with the students.

Spring 2022:

### Wrigley Field Program in Hawaii Preparation (EARTH 115)

A 1-unit course for all students accepted into the Hawaii Program. Will introduce students to the people and topics of the program. Additionally much of the logistic preparation for the course will be covered. Required for participants if they are on campus during the Spring Quarter. Exceptions will be made for students that are on study abroad, though they will be expected to complete readings and submit forms.

Fall 2022:

### Earth Sciences of the Hawaiian Islands (EARTH 117/EARTHSYS 117)

Through the study of volcanoes, erosion, and soil formation, students will be introduced to the Earth process at work in Hawaii. Focus will be placed on the processes that formed the Hawaiian landscape and the factors and processes that form Hawaii's life force. Specifically, we will compare the landscapes and soils of a young and active island (Hawaii) with an old, eroding Island (Kauai), and examine how these features influence the local ecosystems. (4 units)

### Ecology of the Hawaiian Islands (BIO 116/EARTHSYS 116)

In this course terrestrial and marine ecosystems will be explored and investigated. On land, focus will be placed on the origin, evolution, and ecology of flora and fauna, and the reasons for the concentration of threatened and endangered species in Hawaii. In the water, emphasis will be placed on the ecological processes that maintain biodiversity, community organization, and the impacts on marine ecology due to rising sea surface temperatures. (4 units)

### Heritage, Environment and Sovereignty in Hawaii (ANTHRO 118/EARTHSYS 118)

How does culture, both pre- and post-contact, interact with nature? How were Hawaiian resource demands met on a small island? Are these approaches sustainable? These questions and others will be addressed in a course focusing on Hawaiian anthropology and sustainable agriculture. (4 units)

### Independent Research (Faculty Dependent Course Number)

The research project is an integral part of the Hawaii Program. Working with faculty, students will engage in a research project to address an area of interest (Life, Earth, or Human Sciences). During the first four weeks of the program students will propose an answerable question and outline project methodology. Field research will be collected during specific times during the program and the project will culminate in a final written report due at the end of the program. (3 units)



# Wrigley Field Program in Hawaii 2022

## Application Guide: Academics (cont.)

The Fall quarter program consists of 4 separate courses, yet the days are broken into modules. Each module is generally ~6 days focused on a particular topic followed by one day off (though this can vary). Modules usually consist of field-based exercises (data collection, surveying, and observation) followed by analyzing the collected data and presenting the results as groups. Each module is taught by a professor and usually a graduate student TA that joins the program for each module.

Though the schedule may change, the planned modules for 2022 are:

1. Succession, Climate, and Plant Communities (Peter Vitousek)
2. Volcanology (Ryan Petterson)
3. Archaeology and Culture (Mike Wilcox)
4. Marine Biology (Steve Palumbi)
5. Soils (Scott Fendorf)
6. Community Management/Resource Governance (Peter Vitousek)
7. Community Ecology (Tadashi Fukami)
8. Modern and Traditional Agriculture (Peter Vitousek)

NOTE: The course work involved in the program will take up nearly all your time. Students should not sign up for other courses (such as independent study units) or expect to have time to work on other academic responsibilities, such as thesis writing.





# Wrigley Field Program in Hawaii 2022

## Application Guide: Application Process

The application is available online here:

<https://stanfordearth.slideroom.com/#/permalink/program/65054/pJjqRPGQWK>

Application deadline is 11:59PM February 16, 2022. There is no application fee. The online application is a few basic information questions and 4 short essays. You will also be required to provide at least one Stanford faculty reference. You may also choose an additional reference that does not need to be a faculty member. If you submit the application but would like to make changes (prior to the deadline), please contact Ryan Petterson (rypett@stanford.edu) directly.

A note on references: It is a good idea to contact your references ahead of time and ask them if they are willing to recommend you. As soon as you submit your application, an email will be automatically sent to your reference with instructions. They will be asked to write a letter that addresses your academic strengths and weaknesses, ability to work in teams, enthusiasm, maturity, and ability to live in a small community for an extended period of time. The due date for them to submit the reference is 2/23/22.

### How will my application be assessed?

We will assess applications based on many different aspects that contribute to success in the program. Primarily we are looking for students who are open to the experience and will benefit from participation. We also look for academic strengths, ability to work in teams, enthusiasm, maturity, and ability to live in a small community for an extended period of time.

### Application Short Essays:

1. Why do you want to participate in the Wrigley Field Program in Hawaii?
2. What do you expect to gain from the program, and what do you hope to contribute?
3. As part of this program, you will be living and working with the same small group of people every day for the entire quarter. Given the demanding nature of the program, a positive and supportive group dynamic is critical to everybody's success. How would you help to establish and maintain such an atmosphere? What potential sources of conflict do you anticipate and how would you act to address those situations?
4. This program is an intense experience—you can expect to be challenged physically, academically, and emotionally, sometimes all in the same day. Tell us about a time when you felt you were pushed to your limits, how you responded, and what you learned from the experience.

