



UNIVERSITY OF HOUSTON ENVIRONMENTAL GEOPHYSICS FIELD CAMP SUMMER 2023

ENVIRONMENTAL GEOPHYSICS FIELD CAMP: May 19 – May 29, 2023

GENERAL INFORMATION

The Environmental Geophysics Field Camp course (GEOL 4397) is a combined geophysics and environmental science field program held in the Houston, Texas area. The course is designed to provide practical experience for environmental science, geophysics, and geology students in field geoscientific data acquisition. Specific learning goals of the course are to:

- gain knowledge of geophysical and environmental survey concepts, scale, procedures, and logistics
- understand natural & acquisition hazards and account for them
- develop proficiency in using a variety of instruments & equipment
- recognize quality, limits, uncertainties, and ambiguities in geoscientific measurement and data
- understand & produce basic quantitative assessment and interpretation of geophysical data into reports and presentations
- learn fundamental aspects of solving geologic and environmental problems with geophysical tools.



This hands-on course will have daily surveying activities with a variety of instruments at various sites around Houston, Texas. This will be interspersed with short excursions to culturally and geologically interesting sites for field campaigns. Students will participate in field data acquisition measurements, surveys, and analysis using geophysical systems, balloons, and UAVs. Survey areas will include marine transects near Galveston; multicomponent seismic surveys, vertical seismic profiling, well logging, and atmospheric sounding using balloons and UAVs at the La Marque Geophysical Observatory (inside the UH Coastal Center); GPR in coastal sand dunes; GPS, total station, gravity, seismic, GPR and UAV flights over various sites. No experience with geophysical equipment is assumed.

This hands-on course can provide credit or substitute for the GEOL 4355 Geophysics Field Camp and GEOL 4356 Environmental Science Field Research courses.



COURSE INFORMATION

ENVIRONMENTAL SCIENCE & GEOPHYSICS FIELD EXPERIENCE

GEOL4397 - Environmental Geophysics Field Camp

Credit Hours: 3.0

ADMISSION

Summer 2023 Application Deadline: April 1st, 2023

There are two steps in the admission process for this program:

- **Step One – Preliminary Admission:** Complete the online application found at the UH Department of Earth and Atmospheric Sciences website:

<http://www.uh.edu/nsm/earth-atmospheric/undergraduate/ybra-field-camp/>

Through the online application, submit a copy (does not have to be an official copy) of your transcript and proof of health insurance by **April 1st, 2023**. Notification of admission for qualified students will be emailed as reviewed and accepted, but typically no later than April 15th.

- **Step Two – University of Houston (UH) Admission and Registration:** after being admitted to field camp program:

- **Current UH Students:** You will be registered for GEOL 4397 (3 credit hours).

- **Non-UH Students:** must first apply for admission to the University of Houston as a **transient student** for the summer of 2023 by April 15th by visiting: https://www.applytexas.org/adappc/gen/c_start.WBX.

At this time you will be required to submit your **official transcript** to the UH Admission Office, as well as **proof of recent meningitis vaccination** <http://www.uh.edu/academics/courses-enrollment/policies/immunization/index.php>. Once the non-UH student is admitted to the University of Houston, our office will place you in the field camp course(s) to which you have been admitted.

- **INTERNATIONAL STUDENTS** – International students must apply for admission to the University of Houston as a **transient student** for the summer of 2023 **by April 1st**. Department faculty and staff cannot assist in obtaining visas.

TUITION AND FEES

NOTICE: Tuition and university fees calculation as presented below are **approximations** only. Please consult the University of Houston website for more updated information (www.uh.edu/financial/)

Tuition – Tuition and university fees for the field program will depend upon residency status of the student, as well as whether the student is seeking 6 credit hours or 3 credit hours for the summer field program (see chart below). Texas non-resident students who receive scholarship of at least \$1000 through the University of Houston may qualify for in-state tuition.

University Fees – include administrative and support fees for the courses. Note: these fee amounts are approximations only and may be subject to change by the university.

GEOPHYSICS FIELD CAMP

Travel, Equipment Rental, and Vehicle Fees – the Department of Earth and Atmospheric Sciences is collecting an additional fee of **\$475 per student** for travel, vehicle, instrument, and other equipment expenses during field camp.

TEXAS RESIDENTS

Three credit hours option (Geophysics)

Tuition for 3 credit hours	\$820.00 (appx.)
University fees for 3 credit hours	\$550.00 (appx.)
Travel, equipment, and vehicle fees	<u>\$475.00</u>
Total	\$1,845.00 (appx.)

TEXAS NON-RESIDENTS

Three credit hours option (Geophysics)

Tuition for 3 credit hours	\$1,750.00 (appx.)
University fees for 3 credit hours	\$ 550.00 (appx.)
Travel, equipment, and vehicle fees	<u>\$ 475.00</u>
Total	\$2,775.00 (appx.)

Transportation – Students will be able to drive themselves to some sites, but vans will also be available daily from UH campus to the various survey locations. Daily departures from UH campus will leave at 8 AM and return at 5 PM.

Health Insurance – The University of Houston requires all students to carry health insurance while at the field camp. Students must provide proof of health insurance (copy of insurance card) before leaving for field camp. If you do not carry health insurance and want to purchase health insurance through the University of Houston for the summer semester, it offers the following two options:

Option 1: through myUH (PeopleSoft) – health insurance will be placed on your tuition and fee statement

Option 2: through Macori, Inc. (www.macori.com) & UH Health Center

To learn more about these options and how to purchase, visit this website: <http://www.uh.edu/oisss/health-insurance/>

Scholarship and Financial Aid – is not available directly from the UH Department of Earth and Atmospheric Sciences, except for students who attend University of Houston and who qualify for financial aid from the University of Houston, or who are awarded an UH Alumni Scholarship. Some students from other institutions who would ordinarily qualify for financial aid on the basis of need have been able to transfer part of their financial aid packages from their home institutions; other have been able to acquire scholarship or loans from their home institution. Each applicant is encouraged to contact his or her financial aid officer for more information.

IMPORTANT

Students are expected to participate in normal but sometimes strenuous conditions of a field course such as hot, humid weather, choppy wave conditions, or some heavy lifting... If you have any physical or medical condition that might limit your ability to participate in these activities, you must obtain permission from your doctor, in the form of a letter, which should also contain an explanation why your condition will not interfere with your participation in this field program.

The American with Disabilities Act (ADA) of 1990 requires that the university make reasonable accommodation to persons with disabilities as defined under the act. Students who feel they need assistance under



the ADA guidelines should contact the field camp director to discuss such consideration before enrolling. When possible, and in accordance with 504/ADA guidelines, we will attempt to provide reasonable

academic accommodations to students who request and require them. Furthermore, to be eligible for accommodation as afforded by the ADA, students who feel they need assistance under the ADA guidelines should request assistance by registering with the UH Center for Students with Disabilities. Please call 713-74-5400 for further assistance and information.

CONTACT INFORMATION

GEOPHYSICS FIELD CAMP

Dr. Robert Stewart and Dr. Shuhab Khan, Geophysics and Environmental Field Camp Directors

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2018 Geophysics Field Camp
Galveston & Enchanted Rock, Texas

