GENERAL INFORMATION

The Environmental Geophysics field camp program is based at the Texas A&M Galveston campus on Galveston Island and Fredericksburg, Texas. Students first stay in dorms on the campus and Fredericksburg Inn and Suites for the 2nd session. They will participate in daily field data acquisition campaigns using both marine and land-based systems.

COURSES INFORMATION

ENVIRONMENTAL GEOPHYSICS FIELD CAMP

GEOL4397 - Environmental Geophysics Field Research
Credit Hours: 3.0

The course is designed to provide practical experience for environmental science, geophysics or geology students in field data acquisition techniques. Topics and techniques including global positioning satellite (GPS) technology, multi-component reflection seismology, earthquake-related broadband seismic data acquisition, well logging, vertical seismic profiling, gravity and magnetic field measurements, ground penetrating radar, and unmanned aerial vehicles (UAVs) will be covered.

Targeted areas will include marine seismic surveys in Galveston Harbor; multicomponent seismic surveys, VSP, and well logging at the La Marque Geophysical Observatory (inside the UH Coastal Center); GPR and resistivity in coastal sand dunes; GPS, total station, and LIDAR at geotechnical locations; and gravity and magnetics over the Enchanted Rock and Longhorn Cavern.

No experience with geophysical equipment is assumed, but students must meet pre-requisite below.

Prerequisites:
CHEM 1332 and PHYS 1322 and 9 advanced hours in GEOL. (or equivalent)

ADMISSION

Summer 2019 Application Deadline: April 1st, 2019

There are two steps in the admission of UH field camp 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, 2019. Notification of admission for qualified students will be emailed as reviewed and accepted, but typically no later than March 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](https://www.applytexas.org/adappc/gen/c_start.WBX) for the summer of 2019 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 2019 by April 1st. Department faculty and staff cannot assist in obtaining visas.

## 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.

### ENVIRONMENTAL GEOPHYSICS FIELD CAMP

**Room, Board, Equipment Rental, and Vehicle Fees** - the Department of Earth and Atmospheric Sciences is collecting an additional fee of $1,500 per student for lodging, food, vehicle, and other equipment expenses during field camp.

#### TEXAS RESIDENTS

<table>
<thead>
<tr>
<th>Three credit hours option (Geophysics)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition for 3 credit hours</td>
<td>$820.23 (appx.)</td>
</tr>
<tr>
<td>University fees for 3 credit hours</td>
<td></td>
</tr>
<tr>
<td>Room, board, equipment and vehicle fee</td>
<td>$1,500.00</td>
</tr>
<tr>
<td>Total</td>
<td>$2,870.23 (appx.)</td>
</tr>
</tbody>
</table>

#### TEXAS NON-RESIDENTS

<table>
<thead>
<tr>
<th>Three credit hours option (Geophysics)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition for 3 credit hours</td>
<td>$1,750.23 (appx.)</td>
</tr>
<tr>
<td>University fees for 3 credit hours</td>
<td></td>
</tr>
<tr>
<td>Room, board, equipment and vehicle fee</td>
<td>$1,500.00</td>
</tr>
<tr>
<td>Total</td>
<td>$3,800.23 (appx.)</td>
</tr>
</tbody>
</table>

**Transportation** - Vans will be arranged for students to transport from UH campus at the beginning of field camp and departure from Fredericksburg at the end of field camp. Students are responsible for their own transportation and not allowed to use it during the official camp activities.

Students must arrive on the first day of camp and may make arrangement to leave camp after the final presentation on the last day of camp. (~1PM)

**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 often strenuous conditions of a field course such as hot, humid weather, choppy wave condition and 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 713-743-5400 for further assistance and information.

**CONTACT INFORMATION**

**ENVIRONMENTAL GEOPHYSICS FIELD CAMP**

Dr. Shuhab Khan, Field Camp Director  
Telephone: (713) 743-5404  
Email: sdkhan@uh.edu

University of Houston www.geosc.uh.edu  
Department of Earth and Atmospheric Sciences  
312 Building SR1, Houston, Texas 77204-5007  
Telephone: (713) 743-3399 Fax: (713) 743-4544