

biology

in

summer I, 2011

BIOL 159/ BIOL359



Ecuador

& Galapagos Islands

Embark on a biological expedition through Ecuador, follow in the footsteps of Charles Darwin, explore the Galapagos Islands ~ one of the world's most unique and historic ecosystems ~ and earn four credits!

- ◆ Earn Lab Science credits while studying abroad
- ◆ Open to all students regardless of major
- ◆ Non-majors: satisfy your lab science core
- ◆ Bio Majors: satisfy upper division biology elective
- ◆ 26 days in Ecuador & the Galapagos Islands

IN COUNTRY EXCURSIONS INCLUDE:

Galapagos Islands (10 days)

Travel by boat and air to several of the biologically distinct islands in the archipelago. Spend ten days in the Galapagos to experience the unique opportunity of participating in scientific research with the species and communities that inspired Charles Darwin upon his visit aboard the HMS Beagle in 1835. Highlights of the islands include snorkeling at Devils Crown, the giant Galapagos Tortoises roaming Santa Cruz Island, exploration of the amazing geological features of these still volcanically-active islands, a visit to the Charles Darwin Research Station at Puerto Ayora, world famous for its tortoise breeding programs, and of course, the amazing and vocal blue-footed boobies.

Bellavista Cloud Forest Reserve (2 days)

Visit the Bellavista Cloud Forest Reserve, located in the Mindo area north of Quito with it's astounding diversity of plants, insects, birds, including dozen of hummingbird species alone.

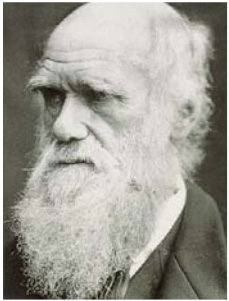
www.bellavistacloudforest.com

Quito & Ecuadorian Highlands (6 days)

While in Ecuador we will pass through Quito as we travel to different regions of the country. We will have a chance to explore this 9300' high city in the Valley of Volcanoes. Old town Quito, where we will stay, is a UNESCO World Heritage Site known for its Spanish colonial era architecture.

Tiputini Biodiversity Station (8 days)

Developed by the Universidad San Francisco de Quito in collaboration with Boston University principally for research, education, and conservation. Adjacent to the Yasuni Biosphere Reserve in equatorial western Amazonia this field station, located in the primary rainforest of the Amazon drainage basin, is home to 12 species of primates and more than 520 species of birds. While at Tiputini we conduct field research projects to examine ecological relationships associated with the diverse environment.





THE COURSE

MAJORS: BIOLOGY 359 • **NON-MAJORS:** BIOLOGY 159

(4 credits) The course uses an international experience as a backdrop to learn about evolutionary, ecological and biogeographical processes that determine the ranges and biodiversity of organisms. The course begins with class work on the Gonzaga campus and is followed by 26 days in the field where two faculty members and local experts will mentor students. Field locations will include the Galapagos Islands and several locations in mainland Ecuador. Students are responsible for keeping a field journal, conducting short research projects and cooperative learning.

THE FACULTY

Dr. Joseph Haydock, Associate Professor of Biology, is interested in avian social behavior and asks questions from an evolutionary perspective. Dr. Haydock uses a combination of field observations, experiments in natural populations and molecular genetic techniques in the laboratory and is currently studying social groups of the cooperatively breeding acorn woodpecker. Dr. Haydock spent 3 years in Venezuela doing research for his PhD on bicolored wrens. He has also done research in Mexico on whistling ducks.

Sherry Wood, a member of the Gonzaga Biology Department for over 16 years, teaches field botany, ecology, and general biology and coordinates laboratory courses. Ms. Wood mentors several students each year in the study of habitat requirements and distribution of seldom-seen animals of the inland Northwest. Ms. Wood has traveled in southern Africa, Central and South America, including Ecuador and the Galapagos Islands and also enjoys nature photography at home and abroad!



PROGRAM DATES

Approximate Program Dates: May 16 - June 9, 2011. Class will meet on the Gonzaga campus prior to travel to Ecuador.

PROGRAM COST

Estimated Program Cost: \$4,200*

* exact cost depends on enrollment

Cost includes:

- ◆ Gonzaga University tuition, fees, 4 credits Biology 159/359
- ◆ All in-country airfare including Quito-Galapagos-Quito
- ◆ Galapagos Islands, 10 days, 9 nights
- ◆ All accommodations and meals in Ecuador & Galapagos
- ◆ All in-country transportation
- ◆ English-Spanish speaking guides
- ◆ International Student Identity Card (ISIC)

Does not include:

Roundtrip airfare to Quito, Ecuador, books, and personal expenses

APPLICATION DEADLINE

Application Deadline: January 10 or until filled

- ◆ Early application is encouraged. Applications will be reviewed on a rolling basis up to the application deadline.
- ◆ Operation of this program is subject to administrative approval and is dependent upon meeting a minimum enrollment.

ADMISSION REQUIREMENTS

The Ecuador summer program is open to non-biology majors who have completed their freshman year and biology majors who have completed Biology 202 and . Admission to the program is based on the following criteria:

- ◆ 2.5 GPA
- ◆ Two letters of academic recommendation
- ◆ Clearance forms
- ◆ Committee selection

APPLICATION PROCEDURE

1. Application form
2. Student Life clearance form
3. Academic Services clearance form
4. Two academic recommendations
5. \$50 non-refundable application fee payable to Gonzaga University
6. Applications accepted at the Study Abroad office

FOR MORE INFORMATION

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