

UCSD Global Seminars

Biodiversity of the Galapagos Islands and mainland Ecuador

...though macroscopic (BIEB 138GS) and microscopic lenses (BIMM 132GS)



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DARWIN AND WOLF ISLANDS

PINTA ISLAND

MARCHENA ISLAND

GENOVESA ISLAND

Santa Cruz & San Cristobal islands

SANTIAGO ISLAND

BARTOLOME ISLAND

FERNANDINA ISLAND

THE DAPHNES

NORTH SEYMOUR ISLAND

RÁBIDA ISLAND

BALTRA ISLAND

PLAZA ISLANDS

PINZÓN ISLAND

SANTA CRUZ ISLAND

SANTA FE ISLAND

SAN CRISTÓBAL ISLAND

ISABELA ISLAND

FLOREANA ISLAND

ESPAÑOLA ISLAND



San Cristobal, Galapagos



Field methods for studying plants,
invertebrates, birds, mammals,
microbes...

Frigate birds

Students will record
observations in a field/lab
journal



El Junco Lagoon

Our classroom - field work

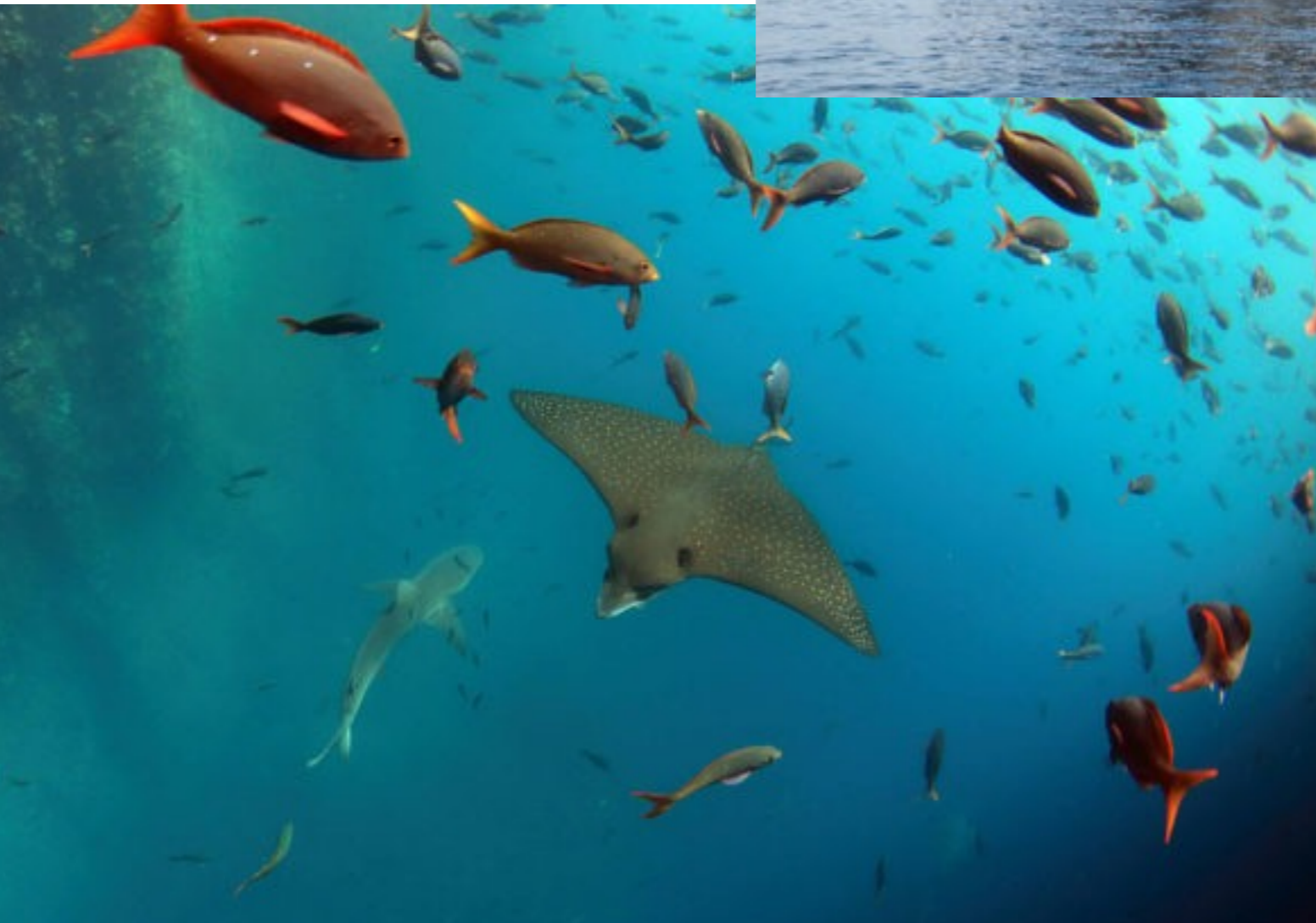


Blue-footed boobies



Red-footed boobies

Our classroom



Kicker rock (Leon Dormido)

San Cristobal - Marine Iguanas



San Cristobal - Sea Lions



Rebecca Adventure Travel



Our lab classroom (microbiology activities)



Even if most of the time will be spent outdoor...

Our lab classroom (microbiology activities)



- Learn about the research projects at the Center as well as the conservation effort to preserve the biodiversity of the Galapagos
- perform research activities to monitor the animals, plants and microbes of the island.

Santa Cruz

BIENVENIDOS — WELCOME



**ESTACION CIENTIFICA
CHARLES DARWIN**

Charles Darwin Research Station

Charles Darwin Research station - Land Iguanas



Charles Darwin Research station - Giant Tortoises



Santa Cruz - Lava tunnels

We'll observe the animals inside the tunnels



Different types of finches are found here.

Santa Cruz - Garrapatero Beach



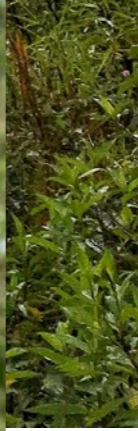
Mainland Ecuador - Maquipucuna Cloud Forest



Spectacled bears



Mainland Ecuador - Mashpi cocoa farm



Tiputini Biodiversity Station, Ecuadorian Amazon

2000 tree species



610 bird species

204 mammal species



150 amphibian species

121 reptile species



... and all of the microbes that we cannot see by naked eye



Tiputini Biodiversity Station, Ecuadorian Amazon



What to expect

- Appreciate the diversity of organisms in the field by making systematic natural history observations
- Take proper notes in a field/lab journal
- Learn about techniques used to study and monitor organisms
- Learn about the projects of conservations of the ecosystems of the Galapagos Islands and the Ecuadorian rainforest
- Read and understand scientific literature
- Design experiments to test hypotheses
- Communicate scientific findings orally and in writing
- Team work and community building
- Appreciation of different cultures

Questions?

