Tropical Marir Short Term Field P

Program Objectives:

The purpose of this program is to expose exchange students to

- General comprehension of the concepts and issues address
- Costa Rican marine ecosystems, biodiversity and environr coral reefs, sandy and muddy beaches, mangroves and es
- The importance of Integrated Coastal Management.

On-Line Contents:

- 1. The Region: Biogeography of Central American Isthmus N
- 2. Introduction to Tropical Marine Biology and geology
- 3. Physical and Chemical Oceanography
- 4. Reef Fish Count
- 5. Interstitial Zones
- 6. Global Change Impact on Marine Life

On-Line Evaluation:

Readings and research 10% On-line material synopsis test 25%

On-Site Contents & Itinerary:

Note: Due to the intensity of the program, students have to st and during their free time. Furthermore, students will develop by established topics concerning marine animals, ecosystems to the class during the last days. Each group can prepare their on on-site documentation and interviews with local people. Effield trip by the professor, but students are expected to deepe the teacher, guides, community members, etc. and document this evaluation is to train students in on-site research and docuproblem. Students will evaluate the other student's presentation the students during the on-line courses.

The final exam constitutes an oral evaluation on the topics pre together with the group who presented a particular topic and evaluated.

On-Site Evaluation:

Thematic presentation 10% Final online exam 25%





ENVIRONMENTAL ART & HUMANITIES BUSINESS, HISTORY, POLICITS HEALTH & HUMAN THEOLOGICAL SUSTAINABLE

Tropical Marine Biology Short Term Field Program 2017

Day 1 - Jan 8th

Sunday Activities: Arrival

Day 2 - Jan 9th

Monday Activities: Curú - 3 Days

7:30 Breakfast

9:00 Departure to Curú Wildlife Reserve

On the way: Field session overview

12:00 Lunch

14:00 - 16:00 Online synopsis exam. Classes: CORAL REEF AND MARINE INVERTEBRATES. Review Online Guides

18:00 Dinner

Day 3 - Jan 10th Tuesday Activities

7:00 Breakfast

8:30 Scuba or Snorkeling trip to Isla Tortuga; Fish count and artificial reefs

12:00 Lunch

14:00 - 16:00 Classes: MARINE ECOLOGY AND PLANKTON

18:30 BIOLUMINISCENCE TOUR

Dinner

Day 4 - Jan 11th

Wednesday Activities

7:00 Breakfast

8:30 Introduction to Fisheries: Responsible Fisheries Area Paquera - Tambor

12:00 Lunch with Fishermen

14:00 - 16:00 Classes: SUSTAINABLE MANAGEMENT OF NATURAL RESOURCES: LUIS SCHUTT

18:30 Dinner

Day 5 - Jan 12th

Thursday Activities: Playa Grande - 2 Days

7:00 Breakfast

12:00 Lunch

13:00 Introduction to the History of National Park Playa Grande; Resreach Projects; The Leatherback Trust

Classes: SEA TURTLES

18:00 Dinner

19:00 Sea Turtle Patrolling with ASOCABE (Leatherback Turtles)

Day 6 - Jan 13th Friday Activities

7:30 Breakfast

8:30 Beach clean-up and Classficitation, Research

12:00 Lunch

15:00 Reaseach projects with TLT

18:00 Dinner

Tropical Marine Biology Short Term Field Program 2017

Day 7 - Jan 14th

Saturday Activities: Leave to Bahía Salinas - 4 Days

7:00 Breakfast

10:00 Arrive at El Jobo, Sol y Mar / Blue Dream (más lejos)

10:30 Presentation on the area: Pellas Development

13:00 Lunch at El Jobo

14:00 El Jobo Beach, Classes: BIG-SCALE TOURISM, RAYS, BIODIVERSITY IN NON-PROTECTED AREAS

18:00 Dinner

Day 8 - Jan 15th Sunday Activities

6:00 Breakfast

7:30 Isla Bolaños, Classes: MARINE BIRDS. BASE OF THE FOOD CHAIN, BAHÍA SALINAS INTERTIDAL ZONES, MANGROVES

12:00 Lunch in the field

14:00 Women projects at Puerto Soley, Sustainable tourism.

19:00 Dinner

Day 9 - Jan 16th Monday Activities

6:00 Sea turtle monitoring in feeding grounds; Bahía Matapalito.

Breakfast & Lunch on the boat

15:00 - 17:00 Snapper farm

18:30 Dinner

20:00 Turtle beach monitoring (black turtles, Somos El Jobo/Equipo Tora Carey talks)

Day 10 - Jan 17th Tuesday Activities

7:00 Fisheries landina

8:00 Breakfast

9:00 Turtle Nest exhumation, subtidal beach clean-up

12:00 Lunch

13:00 Afternoon on the beach

Dinner

Day 11 - Jan 18th

Wednesday Activities: Sol y Luna

7:00 Leave to Quepos: Crocodiles

12:00 Lunch

13:30 SINAC talk on marine policy

Stay in Quepos, free afternoon

Dinner







ENVIRONMENTAL

ART & HUMANITIES

BUSINESS,

HISTORY, POLICITS

HEALTH & HUMAN

THEOLOGICAL

Tropical Marine Biology Short Term Field Program 2017

Day 12- Jan 19th Thursday Activities

7:00 Leave to Golfito 8:00 Breakfast 9:00 Golfo Dulce, reef and seagrass pastruees, whale sharks & dolphins 18:30 Dinner

Day 13 - Jan 20th

Friday Activities: Leave to Ojochal

7:00 Industrial fisheries landing 10:00 Breakfast 12:00 Talk Incopesca 13:00 Free Afternoon Dinner

Day 14 - Jan 21st Saturday Activities

7:00 Breakfast 8:30 Arrival Ojochal Reserve Playa Tortugas 12:00 Lunch

Intro to research project and Playa Reserva Tortuga / Fisheries Landing; Sharks, taking samples for genetic analysis

14:00 Night census Crocodiles
Dinner

Day 15 - Jan 22nd Sunday Activities

6:00 Breakfast 8:30 Snorkeling Bahía Ballenas 12:00 Lunch 13:00 Return to San José

Day 16 - Jan 23rd Monday Activities

7:00 Breakfast with Host Families 8:00 Laboratory Practices: Conservation Genetics of Marine Animals 12:00 Lunch card at Universidad Veritas

Day 17 - Jan 24th

Tuesday Activities: Presentation of Final Projects

7:00 Breakfast with Host Families
12:00 Lunch card at Universidad Veritas
15:00 Course debriefing
16:00 Final Chilenean style BBQ