



Proposal # <u> 0824 </u>

Instructionally Related Activities Report Form

SPONSOR: CLARE STEELE

DEPARTMENT: ESRM

ACTIVITY TITLE: CONSERVATION BIOLOGY FIELD TRIP TO SRI

DATE (S) OF ACTIVITY: SEPTEMBER 23RD – 25TH, 2017

Please submit via email to the IRA Coordinator along with any supporting documentation at david.daniels@csuci.edu within 30 days after the activity. Thank you for your commitment to engaging our students!

A. ADDRESS THE FOLLOWING QUESTIONS:

- (1) PROVIDE A DESCRIPTION OF THE ACTIVITY;
 - (2) HOW DID THE ACTIVITY RELATE TO A COURSE(S) AND/OR LEARNING OBJECTIVES?
 - (3) WHAT DO YOU SEE AS THE STRENGTHS OF THE ACTIVITY?
 - (4) WHAT WOULD YOU SAY ARE/WERE THE ACTIVITY'S WEAKNESSES?
 - (5) HOW WOULD YOU IMPROVE THIS ACTIVITY FOR NEXT TIME?
 - (6) WHAT DID YOU LEARN FROM THE PROCESS?
 - (7) WHAT ARE STUDENT RESPONSES TO THE ACTIVITY? ATTACH STUDENT EVALUATIONS OR ASSESSMENTS (IN ACCORDANCE WITH FERPA RESTRICTIONS YOU MUST REMOVE ALL PERSONALLY IDENTIFIABLE STUDENT INFORMATION)
 - 8) GIVE A SUMMARY OF EXPENSES FOR THE ACTIVITY.
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B. ATTENDEE LIST- SUPPORTING DOCUMENT:

In addition to the report form, *in a separate document*, attach to your email a list of attendees complete with each student major and grade level. This for IRA Committee reference only and will not be published on the IRA website. Include your name and the title of your IRA activity on the document.

C. IMAGES FROM ACTIVITY:

Finally, attach to your email up to 6 images demonstrating student participation (under 2 MB total) with captions/titles. Please attach these photos in .JPEG format directly to email. Thank you!



**INSTRUCTIONALLY
RELATED
ACTIVITIES**

C H A N N E L
I S L A N D S

(1) PROVIDE A DESCRIPTION OF THE ACTIVITY:

STUDENTS ENROLLED IN CONSERVATION BIOLOGY (BIO/ESRM 313) PARTICIPATED IN A 3 DAY, 2 NIGHT VISIT TO SANTA ROSA ISLAND UNDERGRADUATE RESEARCH STATION. STUDENTS PARTICIPATED IN ONGOING MONITORING AND RESEARCH INTO SANDY BEACHES AND INTERTIDAL COMMUNITIES THAT CONTRIBUTED TO INCREASING OUR UNDERSTANDING OF THIS FREQUENTLY UNDERVALUED ECOSYSTEM. THE VISIT TO THE ISLAND PROVIDED MANY OPPORTUNITIES FOR LEARNING AND DISCUSSION OF CONSERVATION AND ECOLOGICAL PRINCIPLES.

(2) HOW DID THE ACTIVITY RELATE TO A COURSE(S) AND/OR LEARNING OBJECTIVES?

SANTA ROSA ISLAND PROVIDES AN AMAZING LIVING CLASSROOM TO EXPLORE MANY OF THE PRINCIPLES OF CONSERVATION BIOLOGY. THE ISLAND PROVIDES UNPARALLED ILLUSTRATIONS OF MANY OF THE TOPICS THAT WE LEARNED ABOUT THROUGHOUT THE SEMESTER, AND STUDENT UNDERSTANDING OF THE MATERIAL WAS GREATLY ENHANCED BY SEEING THESE PRINCIPLES 'IN ACTION'. DISCUSSIONS AND FIELD EXERCISES THAT CONDUCTED DURING OUR VISIT TO THE RESEARCH STATION ALIGNED WITH MANY OF OUR EXISTING CLASS MODULES, INCLUDING THE FOLLOWING: BIODIVERSITY; LANDSCAPE ECOLOGY; ISLAND BIOGEOGRAPHY; INVASIVE SPECIES; PROTECTED AREAS AND MPAS; MONITORING AND MITIGATION; SPECIES AND ECOSYSTEM MANAGEMENT.

(3) WHAT DO YOU SEE AS THE STRENGTHS OF THE ACTIVITY?

THE ISLAND VISIT PROVIDED INCREDIBLE OPPORTUNITIES FOR EXPERIENTIAL LEARNING. PARTICULARLY APPLICABLE TO THIS COURSE IS THE ANCIENT AND MODERN LAND-USE IMPACTS AND CONSERVATION HISTORY OF THE CHUMASH, RANCHING AND NPS PERIODS. ACCESS TO A VARIETY OF ECOSYSTEMS IN A RELATIVELY SMALL AREA ENABLES A VARIETY OF LEARNING & RESEARCH OPPORTUNITIES. DIALOGUE WITH RESEARCHERS AND PARKS PERSONNEL ON ISLAND WERE ESPECIALLY ENRICHING. ONE OF THE NPS BIOLOGISTS GAVE AN OVERVIEW OF THE ISLAND FOX MONITORING AND RESTORATION METHODS AND ACTIVITIES THAT WERE UNDERWAY ON THE ISLAND. DR O'HIROK RELATED THE CONSEQUENCES OF MANAGEMENT/REMOVAL OF GRAZING ANIMALS WITH EROSION AND BEACH SAND.

(4) WHAT WOULD YOU SAY ARE/WERE THE ACTIVITY'S WEAKNESSES?

SCHEDULING IS CONSTRAINED BY AVAILABILITY AND TIMING OF ISLAND PACKERS TRANSPORTATION TO THE ISLAND. MORE FREQUENT SERVICE WOULD BENEFIT PARTICIPANTS. ON-ISLAND TRAVEL IS LIMITED BY WALKING DISTANCE TO SITES, THUS OPPORTUNITY TO EXPLORE MORE DISTANT SITES IS LIMITED. LARGER CLASS SIZES ARE LIMITED BY STATION CAPACITY. A DIRECT ONE-DAY BOAT TRIP THAT MINIMIZES BOAT TRAVEL AND MAXIMIZES ISLAND TIME ON ROSA WOULD BE EXCELLENT – PERHAPS A COMBINED DAY-TRIP CHARTER AVAILABLE ACROSS DISCIPLINES ONCE PER SEMESTER?



**INSTRUCTIONALLY
RELATED
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C H A N N E L
I S L A N D S

(5) HOW WOULD YOU IMPROVE THIS ACTIVITY FOR NEXT TIME?

PLAN TO SET ASIDE TIME FOR INDEPENDENT OBSERVATION AND INQUIRY. SCHEDULE ADDITIONAL VEGETATION MONITORING ACTIVITIES.

(6) WHAT DID YOU LEARN FROM THE PROCESS?

IMMERSION IN THIS LEARNING ENVIRONMENT ENCOURAGES STUDENTS TO MAKE CONNECTIONS BETWEEN CONSERVATION TOPICS DISCUSSED IN THE CLASSROOM AND TO UNDERSTAND REAL-WORLD IMPLICATIONS FOR CONSERVATION AND MANAGEMENT IN CALIFORNIA ISLAND ECOSYSTEMS. ACTIVITIES ON THIS TRIP THAT WERE PARTICULARLY BENEFICIAL INVOLVED STUDENTS IN ONGOING RESEARCH ACTIVITIES CONCERNING MARINE DEBRIS AND MICROPLASTICS.

(7) WHAT ARE STUDENT RESPONSES TO THE ACTIVITY? ATTACH STUDENT EVALUATIONS OR ASSESSMENTS (IN ACCORDANCE WITH FERPA RESTRICTIONS YOU MUST REMOVE ALL PERSONALLY IDENTIFIABLE STUDENT INFORMATION)

PLEASE SEE ATTACHED 2017 09 REFLECTIONS.PDF
SORRY I HAVEN'T HAD CHANCE TO TYPE THESE UP SINCE WE RETURNED FROM THE ISLAND LAST MONDAY.

8) GIVE A SUMMARY OF EXPENSES FOR THE ACTIVITY.

GRANT PROVIDED TRANSPORTATION EXPENSES TO SANTA ROSA ISLAND FOR 22 STUDENTS & 2 FACULTY.

B. ON SEPARATE DOCUMENT, PLEASE ATTACH ATTENDEE LIST (PERSONALLY IDENTIFIABLE INFO REMOVED)

SEE ATTACHED

C. PLEASE INCLUDE UP TO 6 IMAGES AS ATTACHMENTS TO YOUR EMAIL SUBMISSION

SEE ATTACHED

Steele	Clare
O'Hirok	Linda
Palasik	Shelby
Mahoney	Shelly
Bader	Alyse
Dederick	Madison
Lewis	Spencer
Jackson	Brent
Green	Jacqueline
Mckenzie	Eyiram
Tillman	Chase
Hill	Daniel
Witteman	Jeff
Shepherd	Amanda
Eddie	Mercado
Haase	Tanner
Ferguson	Joseph
Swann	Finnian
Sherk	Steven
Monak	Michael
Campbell	Caitlin
Cook	Daniel
Zorn	Amy
Knowles-Staller	Catherine

17 September 2017

This experience has been so amazing and it reminds me of how nice it is to disconnect from life and get into the field. Hope to come back for more field work soon.

- Patricia Armstrong

17 Sept. 2017

Cause, your spirit infuses this research station, this island. I will be forever grateful that I get to share this place with you & learn from your amazing enthusiasm for life, nature, & education. Thank you for making Santa Rosa so special for so many people. Love you.

9/24/17

WE LUCKED OUT AND HAD SOME OF THE BEST WEATHER I'VE SEEN HERE IN A LONG TIME. NOT A CLOUD IN THE SKY, SO MANY STARS AT NIGHT. IT WAS TRULY EYE OPENING GETTING TO DO MY FIRST ORGANISM RELATED TRANSECT PROJECT OUT HERE. I ENVIY LULIS, ROBIN, & ASPEN. WATCH OUT YOU THREE IM GUNNING FOR YOUR JOB.

SPENCER LEWIS
CSUCI ESRM 313

9.25.17

Coming to SPI makes me feel grounded again. It almost feels like a refresher for the body, mind & soul. It's amazing how much you can get connected with yourself & nature when you're out here. I would hope everyone gets the opportunity to come out to such a unique & special place. If you didn't feel like a family before, the island makes that happen. It's amazing how you become a team when you're out here with a group. It's like a mini community, that helps one another & works together to get tasks accomplished. It's a great reminder that ~~there~~ there are still people ~~who~~ that want to make a difference & who appreciate such a great place. This island, takes you away from the materialistic "needs" that we encounter & are surrounded by on the main land. You begin to realize what you truly need to be happy when you're out here. It taps into a part of your body, mind & soul that the main land doesn't (at least for me). It brings out parts of your personality that the main land doesn't. I've pushed myself & still do, on SPI more so than on the main land. SPI (and all the Channel Islands) is a one of a kind place. - Alyse Bader -



