



## ***Instructionally Related Activities Report Form***

SPONSOR: CLARE STEELE

DEPARTMENT: ESRM

ACTIVITY TITLE: CONSERVATION BIOLOGY FIELD TRIP TO SRI

DATE (S) OF ACTIVITY: APRIL 15<sup>TH</sup> – 17<sup>TH</sup>, 2016

Please submit via email to the IRA Coordinator along with any supporting documentation at [david.daniels@csuci.edu](mailto: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 This for IRA Committee reference only and will not be published on the IRA website.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.

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### **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!

**(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. DR. KATHERYN McEACHERN OF THE USGS GAVE AN OVERVIEW OF THE CLOUD FOREST RESTORATION METHODS AND ACTIVITIES THAT WERE UNDERWAY ON THE ISLAND

**(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.

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



I PLAN TO COORDINATE ADDITIONAL RESEARCH ACTIVITIES WITH DR. HANNA TO CONTRIBUTE TO MONITORING OF ADDITIONAL ISLAND ECOSYSTEMS. PLAN TO SET ASIDE TIME FOR INDEPENDENT OBSERVATION AND INQUIRY.

(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 PEER-MENTORING ACTIVITIES THAT PROVIDED RESEARCH EXPERIENCE, AND AN INCREASED DEGREE OF INDEPENDENT INQUIRY. THE ACCESSIBILITY OF A NEW SITE FOR POSSIBLE FUTURE WORK AT CARRINGTON POINT WAS EXPLORED.

(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)

"I NEVER KNEW OF SANTA ROSA ISLAND UNTIL THE BEGINNING OF THE SEMESTER. THE ISLAND'S HISTORY IS UNIQUE IN MY EYES, BECAUSE OF THE CONSERVATION PROBLEMS IT HAS FACED. THIS SHOWS ME A HABITAT CAN REALLY COME BACK FROM WHAT WOULD SEEM TO BE THE BRINK. THERE'S REALLY A LOT WE CAN LEARN ABOUT THIS ISLAND."

"A FANTASTIC TRIP TO THE SANTA ROSA ISLAND RESEARCH STATION. IT WENT BY SO QUICKLY COMPARED TO FIELD SCHOOL THIS SUMMER. WE STILL MANAGED TO EXPLORE THE FAR WESTERN PORTIONS OF THE ISLAND LIKE SANDY POINT AND & CLUSTER POINT. I'M GLAD I GOT TO SPEND TIME WITH MY PEERS FROM MY CONSERVATION BIOLOGY AT CSU, CHANNEL ISLANDS. I GOT THE CHANCE TO CLEAR MY HEAD, REFRESH MY MEMORY AND FALL IN LOVE WITH THIS PLACE ALL OVER AGAIN. UNTIL NEXT TIME, SAND CRABS, ELEPHANT SEALS, LYCHEN AND OAK TREES."

"BIRDING MY OLD SPOTS AND SOME NEW WAS EXCELLENT. SAW AN CHANGE IN ACTIVITY, AND GOT TO SEE A RED-BREASTED SAPSUCKER, BROWN-HEADED COWBIRDS, AND LINCOLN SPARROWS FOR THE FIRST TIME ON THE ISLAND. THIS WAS IN ADDITION TO THE AWESOME TIME WITH THE CONSERVATION BIOLOGY CLASS."

"MY FIRST TIME ON THE ISLAND WAS A LEARNING EXPERIENCE. I'VE BEEN WANTING TO VISIT THE ISLANDS BEFORE I GRADUATE. SO GLAD I GOT TO DO IT MY LAST YEAR. I'VE LEARNED SO MUCH FROM MY TIME HERE. BE BACK SOON."

8) GIVE A SUMMARY OF EXPENSES FOR THE ACTIVITY.



**INSTRUCTIONALLY  
RELATED  
ACTIVITIES**

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

GRANT PROVIDED TRANSPORTATION EXPENSES TO SANTA ROSA ISLAND FOR 15 STUDENTS & 1 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



Participant list SRI trip 04/15 – 04/17/2016

Clare Wormald Steele  
Madeline Pascal  
Shannon Morris  
Molly Cook  
Justin MacMartin  
Cynthia Ly  
Casey Kessler  
Angie Garelick  
Sean Casey  
Spiros Theodosiou  
Katie Messerly  
Andrew Spyрка  
Dianna Flores  
Stephanie Montano  
Danielle Martinez  
Tess Sylvestri



ESRM/BIO 313 Students visit the nursery to learn about cloud forest restoration from Dr. Katheryn McEachern



Sandy Beach Monitoring 4/16/16



Sandy Beach Monitoring 4/15/16



Cherry Canyon Hike 4/17/16