

Table of Contents

Reineman, Dan - #834 - ESRM 351 FIELD METHODS ON SANTA ROSA ISLAND AND AT-HOME STUDENT SUPPORT	1
IRA Activity Budget	3

Application Summary

Competition Details

Competition Title: IRA Applications for 2021-2022

Category: Internal Funding

Award Cycle: 2021-2022

Submission Deadline: 11/12/2021 11:59 PM

Application Information

Submitted By: Dan Reineman

Application ID: 834

Application Title: ESRM 351 FIELD METHODS ON SANTA ROSA ISLAND AND AT-HOME STUDENT SUPPORT

Date Submitted: 03/11/2021 10:03 AM

Personal Details

Applicant First Name: Dan

Applicant Last Name: Reineman

Applicant Department: ESRM

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Additional Applicant Name: Brenton Spies

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Additional Applicant Department: ESRM

Application Details

Proposal Title

ESRM 351 FIELD METHODS ON SANTA ROSA ISLAND AND AT-HOME STUDENT SUPPORT

Total Amount Request from IRA

7,229.63

Brief Activity Description

Overview. This proposal is to fund trips to Santa Rosa Island Research Station for every student in ESRM 351 Field Methods. Traditionally, this trip has been for the full class together. However, after dialogue with SRIRS staff about covid safety protocols, we are proposing to take the students in 3 separate trips -- two 1-day trips and one weekend-trip. Additionally, because we have not only been instructed to plan for the *potential* of a virtual fall semester, but we intend to include some virtual "at-home" elements in the course and therefore we are requesting funds to support those activities and supplies.

Detail. This activity will serve as a field trip to practice basic real-world field methods for monitoring and assessment of social-ecological systems. Santa Rosa Island is the perfect "laboratory" for exposing students to a suite of tools and techniques that can be deployed in a variety of terrestrial and marine habitats on the island to formulate and test hypotheses about the island's many natural systems and ecosystem management history. Students in ESRM 351: Field Methods Monitoring and Assessment will spend either 1 or 3 days on Santa Rosa Island during the Fall Semester of the 2021-2022 academic year. Students will implement first-hand the various techniques we discuss and practice on campus and in their homes (supplies for which are also included in this budget), including tools for geological, ecological, biological, and human-uses monitoring and analyses. This trip will provide the opportunity for students to collect real-world data, and take that data through the manipulation, analysis, interpretation, display, and ultimately communication stages once we are back in the classroom. Students will be given the opportunity to understand and experience important lessons in field data collection, management, and analyses. This project will expand in the future as subsequent classes visit the island and contribute additional data to course datasets, thereby providing opportunities to observe longitudinal changes to the island each semester. Ultimately, with Field Methods students gathering data each year, we will acquire an impressive set of data that are important or useful to the National Park Service, CSUCI scholarship, and students as they begin thinking about capstone projects.

Activity or Event Date

08/23/2021

List all classes that relate to proposal

ESRM 351

Learning Outcomes & Relation to Course Offering

The Learning Outcomes for ESRM 351 include, among others:

- Examination of a wide range of field assessment methods useful for a variety of environmental characterization efforts;
- Practical skill development, with students collecting field data and conducting subsequent analyses and assessment based on those data.

Practical field skills include, among others, planning (logistically and scientifically) field-based research trips, such as the trip to Santa Rosa Island. Thus, by participating in planning for the trip (e.g., food, equipment, data-needs, etc), the trip itself serves as a meta-level exercise in the students' field methods education.

Is this activity off campus ?

Yes

Off Campus - Describe benefit brought back to campus

Trips such as this within ESRM have inspired numerous capstone projects and subsequent student and faculty research on Santa Rosa Island. In the past, this work has generated submissions/participation to/at the Sage Research Symposium and other research showcase venues. Additionally, during their island trip, students will work to make valuable contributions to a growing dataset biological/ecological data that will be available for current and future students on campus. The comradery developed among students will benefit everyone.

CSUCI - IRA Travel Activity Budget

2021 - 2022

Proposal/Activity Title: ESRM 351 FIELD METHODS ON SANTA ROSA ISLAND AND AT-HOME STUDENT SUPPORT

IRA Applicant's Name: DAN REINEMAN

Number of Students Participating:	30	Where- Location	SANTA ROSA ISLAND RESEARCH STATION
Number of Faculty:	2	When - Month/Year	FALL 2021, to be scheduled in consultation with SRIRS Staff: 3 SRIRS trips: 1 overnight-trip and 2 day-trips. The goal is to accommodate our 30 students in 3 small, covid-safe groups.

IRA Planning Travel Budget 2020-2021

I.	Student traveling expenses:	Cost/ea	# Requested	Total	Comments/Additional Notes
	Airfare	\$0.00	0	\$0.00	
	Cal Travel Store fee per Ticked	\$10.00	0	\$0.00	
	Ground Transportation	\$0.00	0	\$0.00	
	Boat Transportation	\$110.00	10	\$1,100.00	Per Russell Bradley, SRIRS: IPCO's SRI overnight trip rate is \$110 per person - 10 students will have the opportunity, covid-safety permitting, to do a weekend trip to the island.
	Boat Transportation	\$77.00	20	\$1,540.00	Per Russell Bradley, SRIRS: IPCO's SRI day trip rate is \$77 per person. 20 students will have the opportunity to participate in one of two day trips (capped at 10 student's each).
	Lodging	\$45.00	10	\$450.00	Per Russell Bradley, SRIRS: the overnight rate is \$15 per CI student per day; three days = \$45.
	Registration Fees	\$0.00	0	\$0.00	
	Entrance Fees	\$0.00	0	\$0.00	
	Meals (included)	\$45.00	10	\$450.00	For 10 overnighting students only: \$15/day for 3 days. (Day tripping students will pack their own lunch.)
	Cultural Activities	\$5.00	20	\$100.00	Per Russell Bradley, SRIRS: Educational Programming provided by SRIRS staff is \$5/student/half-day for the day tripping students.
	Cultural Activities	\$20.00	10	\$200.00	Per Russell Bradley, SRIRS: Educational Programming provided by SRIRS staff is \$5/student/half-day for 2 whole days = \$20/student total for the overnighting students only.
	Vehicle/Van Rental		0	\$0.00	
	Other:		0	\$0.00	
	STUDENT TRAVEL TOTALS	\$312.00		\$3,840.00	
II.	Faculty Traveling Expenses:	Cost/ea	# Requested	Total	Comments/Additional Notes
	Airfare	\$0.00	0	\$0.00	
	Cal Travel Store fee per Ticked	\$10.00	0	\$0.00	
	Boat Transportation	\$77.00	4	\$308.00	Per Russell Bradley, SRIRS: To adhere to covid-safety and social distance protocols, we are proposing to lead two day trips, capped at 10 students each, in order to accommodate 20 of our students; course co-instructors Spies & Reineman will need to travel to SRI for two day trips.
	Boat Transportation	\$110.00	2	\$220.00	Per Russell Bradley, SRIRS: To adhere to covid-safety and social distance protocols, we are proposing to lead a single weekend trip, capped at 10 students; course co-instructors Spies & Reineman will need to travel to SRI for an overnight trip.
	Lodging	\$45.00	2	\$90.00	Per Russell Bradley, SRIRS: the overnight rate is \$15 per CI affiliate per night; three days = \$45.
	Registration Fees	\$0.00	0	\$0.00	
	Entrance Fees	\$0.00	0	\$0.00	
	Meals (included)	\$45.00	2	\$90.00	For 10 overnight trip only: \$15/day for 3 days. (For Day Trips, faculty will pack their own meals.)
	Cultural Activities	\$0.00	0	\$0.00	
	Other:	\$0.00	0	\$0.00	
	FACULTY TRAVEL TOTALS	\$287.00		\$708.00	
III.	Operating Expense Budget	Cost/ea	# Requested	Total	Comments/Additional Notes
	Supplies	\$2,681.63		\$2,681.63	These supplies will support student activities in the field during the visits to SRI (both day trips and overnights). The same materials will also be beneficial for students "at home" and in a variety of field-based activities that we will conduct together -- face to face (according to covid safety protocols) -- and "at home" during virtual elements of this blended online/in-person course.
	CI Facilities Chargebacks			\$0.00	
	Other:			\$0.00	
	OPERATING EXP. TOTALS	\$2,681.63		\$2,681.63	
IV.	Out of Pocket Student Expenses	Cost/ea	# Requested	Total	Comments/Additional Notes
	Health Insurance			\$0.00	
	Tuition/Registration			\$0.00	
	Travel Insurance			\$0.00	
	Out of Pocket Meals			\$0.00	
	Other:			\$0.00	
	STUDENT EXP. TOTALS	\$0.00		\$0.00	
V. Please note that Line "B" below is for UNIV 391 and 392 trips ONLY; IRA funds 2/3rds of these, course/lab fees funds the other 1/3rd.					
A	Total Fundable Student Traveling Expenses			\$3,840.00	
B	UNIV 391/392: Max IRA funding is 2/3rd of total				
C	Total Faculty Travel Expenses			\$708.00	
D	Operating Expenses			\$2,681.63	
	TOTAL TRIP COST for Non-UNIV 391/392 (total of A,C,D)			\$7,229.63	
	UNIV 391/392 TOTAL IRA FUND REQUEST (total of B,C,D)				
	UNIV 391/392: 1/3 of costs payable by students via lab fee				
	If course fee is setup differently, list here				