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Application Summary

Competition Details

Competition Title: Funding Opportunity: IRA Applications for 2021-2022

Category:

Award Cycle:

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

Application Information

Submitted By: Rudolf von May

Application ID: 1273

Application Title: Santa Rosa Island field trip for Ecology & the Environment course

Date Submitted: 11/12/2021 3:49 PM

Personal Details

Applicant First Name: Rudolf

Applicant Last Name: von May

Applicant Department: Biology

Email Address: rudolf.vonmay@csuci.edu

Phone Number: (805) 437-2015

Additional Applicant Name:

Additional Applicant Email:

Additional Applicant Department:

Application Details

Proposal Title

Santa Rosa Island field trip for Ecology & the Environment course

Total Amount Request from IRA

10,241

Brief Activity Description

I will be the instructor of Ecology & the Environment (BIOL 433) during the Spring 2022 semester, and I would like to propose and lead a field trip to Santa Rosa Island. This course explores selected topics in ecology, with special emphasis on the study of interactions among organisms and their environment. To this end, exposing students to novel environments, such as those found on and around the Island, will boost students' curiosity and will enhance retention of key concepts in ecology. The class will stay at Santa Rosa Island Research Station (SRIRS), which provides the ideal setting for a unique immersive learning experience. During our visit to SRIRS we will explore native and modified habitats, and learning will focus on central concepts in ecology including species interactions, food webs, ecological succession, and the origin of species or subspecies that are unique to the Channel Islands. A trip to Santa Rosa Island will foster students' personal and intellectual growth, and will encourage a life-long connection between the Channel Islands – the namesake of the university – and their individual journey. Furthermore, this activity will be directly connected with CSUCI's mission of broadening students' appreciation of the natural world – and the value of the islands in California's history and culture.

Below, I have included additional information about the course, the proposed activity, and how the field trip will support the learning outcomes of the course (described in the next section).

Ecology & the Environment (BIOL 433) is an Upper Division, General Education course that recently became a Core Course in the Biology Program at CSUCI. The course is open to any student who has completed Organismal and Population Biology (BIOL 200). The course is also taken by students enrolled in other programs, and includes a combination of sophomores, juniors, and seniors. Most of these students have never visited the Channel Islands.

During the Spring 2022 semester, the course will have one lecture section and two lab sections. Given that the enrollment is 24 students per section, and considering the capacity of the station, I propose to take two groups of 24 students to SRIRS. The date of one of these trips is indicated below (see activity or event date), and the second field could be scheduled on one of the following weeks in March or April 2022.

All students who participate in the trip will write a 2-page essay focusing on the natural history of a selected species, habitat, or biological community found on the Channel Islands. The essay may also highlight a particular ecological pattern or process; or a geological, paleontological, or cultural element of the islands' history. Within the essay, students will share their personal impressions of the field trip. While on the island, students will have two 1-hr periods where they will write journal entries describing their observations of marine and terrestrial environments. These observations will serve as the starting point for the essays, which will be completed upon returning from the trip. In contrast, students who are not able to participate on the trip will be required to complete a sizable alternative assignment (e.g., 4-page review focusing on five peer-review articles based on research conducted on the Channel Islands).

Activity or Event Date

03/4/2022

List all classes that relate to proposal

BIOL 433 - Ecology & the Environment

Learning Outcomes & Relation to Course Offering

This activity will support the learning outcomes of the Ecology & the Environment (BIOL 433) course including the following:

- Describe plant and animal distribution patterns in relation to abiotic and biotic factors.
- Define the essential characteristics underlying natural ecosystems.
- Explain model population and community-level dynamics.
- Interpret and present ecological results.
- Identify global environmental problems.

Is this activity off campus ?

Yes

Off Campus - Describe benefit brought back to campus

I will share selected essays written by students who visit SRIRS with other students and faculty at CSUCI. These essays will be shared through the university's social media sites, and will also be made available for reposting via other platforms (including those associated with SRIRS). All essays will include students' personal impressions of both the field trip and their stay at SRIRS, which will increase the visibility of the station. Additionally, I will encourage motivated students to write short pieces on selected topics about the ecology of the islands, and post these articles on a new website aimed at providing resources for ecology students at CSUCI.

IRA Travel Activity Budget

FY 2021 - 2022

Proposal/Activity Title:

Santa Rosa Island field trip for Ecology & the Environment course

IRA Proposal Sponsor Name: Rudolf von May

Number of Students Participating: 48

Number of Faculty: 1

I.	Student traveling expenses:	Cost/ea	# Requested	Total	Comments/Additional Notes
	Airfare			\$0.00	
	Airfare - AMEX charge	\$10.00		\$0.00	(\$10/ticket automatically added when using CSU Travel Store)
	Ground Transportation			\$0.00	
	Boat Transportation	\$104.00	48	\$4,992.00	boat trips to the Channel Islands via Island Packers; rates for CI = \$54/person to Santa Cruz Island, \$104/person for Santa Rosa Island (SRI)
	Lodging	\$45.00	48	\$2,160.00	if traveling to SRI, please note a \$15 per person/per day fee (i.e. budget \$45/person for 3-day trips)
	Registration Fees			\$0.00	
	Entrance Fees			\$0.00	
	Meals (included)	\$60.00	48	\$2,880.00	if traveling to SRI, please note a \$20 per person/per day meal funding cap
	Cultural Activities			\$0.00	
	Vehicle/Van Rental			\$0.00	
	Other:			\$0.00	
	STUDENT TRAVEL TOTALS	\$219.00		\$10,032.00	
II.	Faculty Traveling Expenses:	Cost/ea	# Requested	Total	Comments/Additional Notes
	Airfare			\$0.00	
	Airfare - AMEX charge	\$10.00		\$0.00	(\$10/ticket automatically added when using CSU Travel Store)
	Ground Transportation			\$0.00	
	Lodging	\$45.00	1	\$45.00	
	Registration Fees			\$0.00	
	Entrance Fees			\$0.00	
	Meals (included)	\$60.00	1	\$60.00	
	Cultural Activities			\$0.00	
	Other: Boat Transportation	\$104.00	1	\$104.00	
	FACULTY TRAVEL TOTALS	\$219.00		\$209.00	
III.	Operating Expense Budget	Cost/ea	# Requested	Total	Comments/Additional Notes
	Supplies			\$0.00	
	CI Facilities Chargebacks			\$0.00	(i.e. charges for large campus rooms: 1) Grand Salon \$395/day; 2) Petit Salon \$265/day; 3) Malibu #100 \$265/day)
	Other:			\$0.00	
	OPERATING EXP. TOTALS	\$0.00		\$0.00	

IV.	Out of Pocket Student Expense	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			\$10,032.00	
B	UNIV 391/392: Max IRA funding is 2/3rd of total			\$6,721.44	
C	Total Faculty Travel Expenses			\$209.00	If funded at 100%
D	Operating Expenses			\$0.00	if funded at 100%
	TOTAL TRIP COST for Non-UNIV 391/392 (total of A,C,D)			###	
	UNIV 391/392 TOTAL IRA FUND REQUEST (total of B,C,D)			\$6,930.44	
	UNIV 391/392: 1/3 of costs payable by students via lab fee			\$3,310.56	
	If course fee is setup differently, list here				

