

Instructionally Related Activities Funds Request Spring 2018

▼ Submitter

Submitter Name

Clare Steele

Submitter Email

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▼ 1. Basic Details

Activity Title

Conservation Biology Field Trip to Santa Rosa Island Undergraduate Research Station (ESRM/BIO 313)

Activity/Event Date

2/23/18 - 2/25/18

Date Funding Needed By

2/1/18

Previously Funded?

- No
 Yes

▼ Previously Funded Proposal

Semester/Year

Fall/2017

Proposal # (if known)

0824

Report submitted for previously Funded Activity?

- No
 Yes

Please upload a copy of the report

[ira-report-form-Steele 2017 Fall.pdf](#)

Additional Report #1

[Participant List Steele 2017 09.docx.pdf](#)

Additional Report #2

[2017 09 Reflections_reduced.pdf](#)

Additional Report #3

[2017 09 Cons Bio Students Ranch 1.JPG.pdf](#)

Additional Proposers

Academic Program(s)/Center Name(s)

ESRM

Estimated total Course Fee revenue

\$1,375

Amount Requested from IRA

\$2,910

Estimated Number of Students Participating

35

▼ 2. Brief Activity Description

Describe the activity and its relationships to the educational objectives of the students' program or major

Brief Activity Description

Santa Rosa Island provides a wealth of illustrations of the principles of Conservation Biology and the Spring 2018 ESRM/BIO 313 Conservation Biology class would benefit greatly from the opportunity to see the practical implications of their studies during a visit to the research station on this island. For the last five semesters, students in this class have surveyed the sandy beach infauna at two mainland beaches, calculating density and diversity indices to describe the beach communities and observing the impact of kelp wrack removal by grooming. I have previously piloted the methods used in this lab exercise with students at two accessible sites in Bechers Bay, Santa Rosa Island. A class visit gives students a fascinating opportunity to compare mainland and island biodiversity of sandy beach communities. The addition of surveys of shore birds, which are the primary predators of the beach infauna, would facilitate discussion of parasitism and trophic systems and add to our growing data set on sandy beach ecology.

The sandy beach field research will take place on the full Saturday, and the partial travel days, Friday and Sunday will be occupied with the following proposed activities. A hike up through Cherry Canyon on Friday afternoon will provide opportunities for discussion on recent island history and conservation efforts, including the ranching era, recent removal of grazing animals, and the role of these canyons as refuges for native vegetation. A discussion of the importance of long term monitoring and recent restoration efforts will be included. On Sunday, before departure, an early hike to the Torrey Pines area will provide opportunities for observation and discussion of the unique properties of islands and their native species, including island endemism and instances of island dwarfism and gigantism. The Torrey Pines and the island fox are particularly interesting local examples of intriguing conservation stories.

▼ 3. Learning Outcomes and Relation of IRA to Course Offerings

All IRAs must be integrally related to the formal instructional offerings of the University and must be associated with scheduled credit courses.

1. Please list all classes that directly relate to the proposed activity.
2. For each class listed, describe in detail how exactly the IRA activity will be integrated with the class's activities, how often/ on what expected date(s), and to what extent

Learning Outcomes and Relation of IRA to Course Offerings

1. ESRM 313, BIO 313
2. The island provides unparalleled illustrations of many of the topics that students learn about throughout the semester, and their understanding of the material would be greatly enhanced by seeing these principles 'in action'. Discussions and field exercises facilitated by a visit to the research station would align 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.
In addition to curricular enhancement, data collected from the sandy beach infauna and bird surveys will contribute to increasing our understanding of this frequently undervalued ecosystem, and to ongoing sandy beach research at CI.

▼ 4. Activity Assessment

Describe the assessment process and measures that the program will use to determine if it has attained its educational goals.

Please note that a report will be due at the end of the semester.

Description of Assessment Process

Data gathered during sandy beach research will be analyzed and compared to similar data gathered during mainland class activities. Topics covered during class discussions whilst on Santa Rosa Island are an important aspect of the experience and will serve to deepen students understanding of these subjects that are examined in several class units. Students will be asked to complete a written reflection at the conclusion of the field trip, highlighting their experience and knowledge gained during the project.

▼ 5. Activity Budget

Please enclose a complete detailed budget of the entire activity. Indicate specific items that you are requesting IRA to fund.

You should use either the Regular Activity budget (for events on campus) or -- if your event involves any travel-- you MUST use the IRA Travel Budget Form.

You can download both of the IRA Excel Budget sheets at <http://www.csuci.edu/ira/application.htm>.

Activity Budget

[Steele ESRM travel-budget-10022017a.xlsx](#)

▼ 6. International Trips

If your event is an international trip submitted through the Center for International Affairs, you must include copies of:

1. Complete Center for International Affairs/ UNIV 392 proposal
2. The program budget as submitted to the Center for International Affairs (to ensure congruency between the two budgets)
3. as well as a copy of the course syllabus

Center for International Affairs Budget

Copy of Center for International Affairs Proposal

Course Syllabus

Certification

I certify that students attending this trip are not previous or repeat attendees of a prior International UNIV 392 Trip

▼ 7. Sources of Activity Support

Please list the other sources of funding (including course fees), and exact expected amounts of additional support for the activity. Please indicate if there are no other sources of funding

Other Sources of Funding

Course fees will be used to contribute to the cost of the activity.

▼ 8. Promoting Participation

What is your intended audience and how do you intend to market this to your students?

The intended audience for this project are undergraduate students enrolled in ESRM/BIO 313 Conservation Biology. A weekend visit to Santa Rosa Island provides students with the opportunity to be immersed within the ecosystems they are learning about in class and to view, first hand, conservation and restoration issues that are ongoing on the island.

If this is an event that is off campus, how do you plan to bring back the benefit of this event to campus?

As students of California State University, Channel Islands, our Channel Islands are part of our University's cultural heritage. Providing students an opportunity to visit the islands as part of their educational experience at CSUCI enhances the student's cultural identity and expands their learning opportunities. In addition, students will contribute to a growing body of ecological research that extends across classes and across programs.

▼ 9. Sustainability

If appropriate, indicate how the content or delivery of the project promotes sustainability at CI.

Sustainability

This project primarily focuses on "Environmental Education", one of the five primary areas of sustainability identified by the CI Sustainability Task Force. In the class visit to Santa Rosa Island, we will be observing an island ecosystem with a long history of exploitation by humans, from the Chumash people to the more recent ranching practices. Exploring an area now protected as a National Park and in recovery from extensive human influence will educate students in sustainable practices and use of marine, coastal and terrestrial resources, understanding the impact of humans on the environment and restoration of degraded ecosystems.

▼ 10. Approval and Acknowledgement

Program Chair/Director

Anderson, Sean S

Dean

Adler, Mary

Conditions and Considerations

- Artist/Performer/Speaker Fees & Honoraria:** On the Activity Budget, please indicate whether the vendor's price was set by you/CI Representative, or is a fee that was set by the vendor.
- Large Event:** For a large event, consultation with the campus Event Coordinator's office at (805)437-8548 is required.
- Field Trip:** Sponsor must comply with all policies found at:
<http://www.csuci.edu/rm/programs/academic-field-trip-guidelines-and-forms.htm>. If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).
- Involves Human Subject Data Collection for Public Dissemination -Requires IRB Approval :** If Project Sponsor proposes to conduct research with human participants, the proposal may be subject to Institutional Review Board for the Protection of Human Subjects (IRB) review. All research that involves any type of interaction with human subjects - from simple surveys to complex biomedical procedures - must be reviewed and approved by the IRB prior to starting the research. Data for "Public Dissemination" indicates interviews/surveys that result in a journal/poster session/newsletter, etc.
- IT Requirements:** If your activity has IT requirements, coordination with and approval from IT Administration is required.
- International Travel:** Requires International Travel application be submitted to Center for International Affairs. Include copy of CIA budget and course syllabus in your IRA application. Must utilize the University's Foreign Travel Insurance

Program (FTIP) and follow all International Travel Guidelines listed at: <http://www.csuci.edu/rm/insurance/foreign-travel.htm>

Risk Management Consultation: Events that involve or engage students directly with a performer or artist (i.e. in a workshop or other than as a passive audience member) will require consultation with Risk Management. Requires proof of correspondence with Risk Management.

Space/Facilities Services Requirements: Consultation and coordination with Facilities Services is required.

Acknowledgement

I acknowledge that I have reviewed and accepted the Conditions and Considerations herein. Please check off boxes as appropriate.

▼ Chair Review

Recommendation

- I recommend approval of the IRA Funds Request described on this page
 I DO NOT recommend approval of the IRA Funds Request described on this page

Comments

 Sean Anderson _____ Oct 12 2017

▼ Dean Review

Recommendation

- I recommend approval of the IRA Funds Request described on this page
 I DO NOT recommend approval of the IRA Funds Request described on this page

Comments

 Marion Adler _____ Oct 16 2017