Instructionally Related Activities Funds Request Fall 2018

▼ Submitter

Submitter Name

Brett Hartman

Submitter Email

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▼ 1. Basic Details

Activity Title

ESRM 352 (Ecosystem Restoration) Class Field Trip to Santa Rosa Island Undergraduate Research Station

Activity/Event Date

11/09/18 - 11/11/2018

Date Funding Needed By

10/1/2018

Previously Funded?

- ● No
- ○ Yes

Additional Proposers

Academic Program(s)/Center Name(s)

Environmental Science and Resource Management

Estimated total Course Fee revenue

$0.00

Amount Requested from IRA

$3094

Estimated Number of Students Participating

25

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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 (SRI) provides an invaluable living laboratory for Ecosystem Restoration (ESRM 352) students. The island has a long history of intensive grazing and non-native species introductions causing large scale degradation. Since the Channel Islands National Park was established, non-native species removal and recovery efforts have led to restoration of over 42 km2 of woodland, chaparral, and scrub vegetation.

On Friday afternoon, students will hike to areas near Carrington Point to evaluate the effectiveness of ecosystem restoration in native grassland, shrub, and maritime chaparral ecosystems. Student will visit representative sample locations established as part of the Channel Island National Park long term inventory and monitoring program. They will learn how to conduct point intercept vegetation samples, compare existing conditions with long term data extending back to 1990, and evaluate ecosystem restoration success as indicated by vegetation change.

On Saturday, students will tour the island oak restoration site on Soledad Ridge. The island oak is an endemic species that depends on coastal fog for moisture, and the highland ridges that are habitat for this species are severely eroded. Students will visit the restoration site and learn about the check dams, wattles, fog capture screens, and leaf litter traps placed to build soil resources and enable reforestation. Students will also learn about the soil profile diagrams established by past capstone students to monitor soil and vegetative development. Time allowing, students will also help park staff build and maintain some sample erosion control structures.

These activities will be supported by studying satellite imagery, historic air photos, and data generated by Channel Islands National Park and past capstone projects focused on ecosystem restoration at SRI.

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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 352 (Ecosystem Restoration)

2. Many of the principles and practices of ecosystem restoration are best learned by seeing and doing. Field trips are an essential part of learning in an applied resource management class such as ecosystem restoration. Large scale restoration projects are rare, and the opportunity to reduce human influence and remove invasive species to the degree that has occurred on Santa Rosa Island (SRI) is rarer still. This field trip is an invaluable opportunity for students to see the course principles in action, ie. how to rebuild degraded ecosystems and manage succession. Specifically, the SRI field trip will illustrate the following course modules: managing energy inputs, regulating ecosystem processes, managing soil and water resources, wildlife management, and vegetation management.

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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

As part of the ESRM 352, students are required to perform a site assessment or evaluation of restoration success and submit it as a report that is graded as a semester project. Such reports are standard documents produced by professionals in the field, and this activity helps students learn a core skill and hone their analytical and writing skills. Students that participate will submit an evaluation of restoration success on the work done on Santa Rosa Island.

▾ 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

Hartman ESRM352 ira-travel-budget.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

None

8. Promoting Participation

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

The intended audience includes the undergraduate students enrolled in ESRM 352 (Ecosystem Restoration). Student enrollment is typically from ESRM, BIO, and ANTHRO. A field trip to Santa Rosa Island provides students with an immersive opportunity to learn about a unique ecosystem restoration project, and to view first hand broader conservation biology and cultural resource management issues.

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

The Channel Islands are part of the "cultural landscape" of the Southern California coastal zone, and are integral to the place identity of the student body. Providing students opportunities to visit the islands and form a sense of place not only enhances the students' educational experience, but helps deepen the cultural experience of the broader student body as they return and share their experiences.

9. Sustainability

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

Sustainability

This project focuses on "environmental education", one of the five areas of sustainability identified by the Channel Islands Sustainability Task Force. Through this trip, students will learn about the human influence on the landscape and what can be done to sustainably manage and ultimately restore natural resources. Students will observe sustainability practices that include legal protection as a National Park and Marine Sanctuary, invasive species removal, endangered species recovery, erosion control, and reforestation.

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.

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☐ **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

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✎ Sean Anderson	Mar 6 2018

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

May wish to increase budget for food costs @ SRI (does not seem sufficient for the length of time). Also, please consider ways that students may share their learning beyond the course, so that a broader range of CI students may benefit as well.

✎ Marion Adler	Mar 8 2018