Instructionally Related Activities Funds Request Fall 2019

▾ Submitter

Submitter Name

Daniel Reineman

Submitter Email

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▾ 1. Basic Details

Activity Title

ESRM 351 Field Methods: Monitoring & Assessment on Santa Rosa Island

Activity/Event Date

Fall 2019

Date Funding Needed By

August 20, 2019

Previously Funded?

○ No
● Yes

▾ Previously Funded Proposal

Semester/Year

Spring 2019

Proposal # (if known)

#1119

Report submitted for previously Funded Activity?

● No
○ Yes

Additional Proposers

Academic Program(s)/Center Name(s)

ESRM

Estimated total Course Fee revenue

800

Amount Requested from IRA

4494

Estimated Number of Students Participating

20

▾ 2. Brief Activity Description

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

Brief Activity Description

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 a week weekend (6 nights) on Santa Rosa Island during the Spring Semester of the 2018-2019 academic year. Students will implement first-hand the various techniques we discuss and practice on campus, 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.

▾ 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

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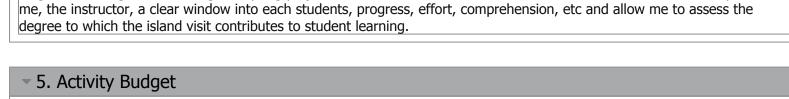Practical field skills include, among others, planning (logistically and scientifically) field-based research trips, such as the trip to Santa Rosa Island. Thus, by participating in planning for the trip (e.g., food, equipment, data-needs, etc), the trip itself serves as a meta-level exercise in the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

▾ 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

ESRM 351 students will conduct field work, document observations, analyze data, and interact daily with the instructor for the duration of the visit. These data and the experience of collecting them form the basis of each student's field notebook—a long-form writing/ documenting/ analyzing project that constitutes the bulk of submitted work for the term. It will provide

me, the instructor, a clear window into each students, progress, effort, comprehension, etc and allow me to assess the degree to which the island visit contributes to student learning.

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

ira-travel-budget-form-ay18-19 - ESRM 351 Field Methods 19F - REINEMAN.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

ESRM 351 - Syllabus 2019S Reineman - PRINT.pdf

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: $40 * 20 = $800

8. Promoting Participation

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

My intended audience is students enrolled in ESRM 351 Field Methods; the trip is included in the syllabus and described in ESRM course-related correspondence.

If this is an event that is off campus, how do you plan to bring back the benefit of this event 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. The comradery among students will benefit everyone.

Additionally, as not all students are able to attend, I am planning a similar "make up" activity that non-participating students can complete on their own time on campus.

▼ 9. Approval and Acknowledgement

Program Chair/Director

Anderson, Sean S

Dean

Wyels, Cynthia (Arts & Sciences)

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. I acknowledge that the activity sponsor will be responsible for managing purchases, travel arrangements, and all transactions related to approved activities. 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

As of this point (early March), our course offerings may change in fall. This is partly dependent upon new courses pending approval by Curriculum Committee. Regardless if this course were to run or not run in the fall, we will be teaching it in the Spring and these fees would be applied there in an identical fashion/expense.

| Sean Anderson | Mar 11 2019 |

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

clear benefit to students

| Cynthia Wyels | Mar 26 2019 |