Instructionally Related Activities Funds Request Spring 2017

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IRA Funds Request for Principles of Resource Management Field Trip to Santa Rosa Island Undergraduate Research Station (ESRM 200)

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Instructionally Related Activities Funds Request Summary

Project Sponsor	Donald Rodriguez
Activity Title	Principles of Resource Management Field Trip to Santa Rosa Island Undergraduate Research Station (ESRM 200)
Activity/Event Date	Spring 2017
Date Funding Needed By	January 31, 2017
Previously Funded?	Yes
Semester/Year	Spring 2016
Proposal #	0688
Report submitted for previously Funded Activity?	Yes
Report submitted for previously Funded Activity	SRIReport2016.docx
Additional Report #1	—
Additional Report #2	—
Additional Report #3	—
Additional Proposers	—
Academic Program(s) / Center Name(s)	ESRM
Estimated total Course Fee revenue	$1000
Amount Requested from IRA	$2,600
Estimated Number of Students Participating	25
Conditions and Considerations	Field Trip
Brief Activity Description	Santa Rosa Island provides a unique laboratory that illustrates many of the elements in the Principles of Resource Management course including endangered species and wildlife management, protected area management, marine and coastal resource conservation, ecological restoration, and watershed protection and management. One of the goals in the 200 course is to introduce students to the broad array of potential research opportunities in the region through interactions with faculty, staff, and community partners such as the Fish and Wildlife Service, National Park Service and Sate and local park units. During this field experience students would be given the opportunity to experience a range of land management challenges and their solutions on the island. Additionally, students will be exposed to potential capstone undergraduate research opportunities that will provide a "springboard" to future involvement with the research station. Students will be introduced to long term monitoring on the island involving Torrey Pines, Island Fox, and restoration of island vegetation through peer mentors and SRI staff. These long term monitoring efforts provide ideal undergraduate research opportunities and important capstone topics. Students will be introduced and conduct numerous field observations using proven transect protocols during their time on the island which will provide future cornerstones for individual research efforts.
Learning Outcomes and Relation to IRA to Course Offerings	The following are course learning outcomes for ESRM 200 followed by a brief narrative on how this trip relates : - Demonstrate an understanding of the relationship between conservation initiatives and the local community Santa Rosa Island (SRI) provides an incomparable learning laboratory for exploring the nexus of community and conservation. Understanding Park Service outreach and education efforts are important for students at this stage of their development. - Define environmental problems from the perspective of both environmental science and resource management. SRI provides clear examples of basic biological problems (overgrazing by introduced species), and their management solutions (eradication of deer and elk), - Identify possible causes and propose solutions to environmental problems from the perspective of both environmental science and resource management. One ideal case study on the island involves Island Fox and Golden Eagle predation. This trophic cascade was an outgrowth of species introductions, DDT poisoning of Bald Eagles, and predation on an endangered species by a new predator (Golden Eagles). The decision to eliminate Golden Eagles was extremely political and created new NPS policy. - Make use of current technological tools in the collection, organization, analysis, and interpretation of data. There are many examples of these new tools being used on the Island and students will be exposed to numerous field methods during their visit.
Description of Assessment Process	Working in teams students will access historical data regarding Torry Pine and Island Fox populations prior to their visit, and utilizing new field assessment approaches, they will reassess historical data to determine current management effectiveness. Throughout the semester class discussions will involve various aspects of resource management with a particular focus on habitat conservation. During the trip to SRI students will be prompted to reflect on their experience on SRI as it relates to topics covered throughout the semester. Students will be asked to provide written reflections about their trip and their experiences. These written reflections will be posted on the class website to provide future discussions involving capstone opportunities.
Activity Budget	Budget_2017.xlsx

CIA Budget	—
CIA Proposal	—
Course Syllabus	—
CIA Certification	—
Other Sources of Funding	Course lab fees will be used to pay additional travel costs associated with this trip
Target Audience/Student Marketing	The intended audience for this project are undergraduate students enrolled in ESRM 200 Principles of Resource Management. A 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.
Bring Benefit to Campus	Since the Channel Islands are an integral part of our campus culture, it is imperative that students be given the opportunity to see how these protected areas benefit local communities. The National Park Service is arguably the premier resource management agency in the nation and experiencing their management approaches will provide important examples for students and society.
Sustainability	This project focuses primarily 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, students will be experiencing an island ecosystem with a long history of human exploitation (beginning with native peoples and extending through the 20th century. Exploring an area now protected as a National Park and in recovery from extensive human influence will educate students in sustainable practices and the use of coastal and marine resources.
Program Chair/Director	donald.rodriguez
Dean	james.meriwether
Acknowledgement	I acknowledge that I have reviewed and accepted the Conditions and Considerations herein. Please check off boxes as appropriate.

Program Chair/Director Review

Recommendation	I recommend approval of the IRA Funds Request described on this page
Name	Donald Rodriguez
Date/Time	10/6/2016 2:09:19 PM
Validation	myCI-signin-VX-4710
Comments	—

Dean Review

Recommendation	I recommend approval of the IRA Funds Request described on this page
Name	James Meriwether
Date/Time	10/7/2016 4:14:48 PM
Validation	myCI-signin-KH-3501
Comments	—

IRA Committee Decision

Decision	—
Comments	—

Current Tasks

Task	Time Assigned	Assigned To
IRA Committee Decision	10/7/2016 4:14:48 PM	David Daniels

Completed Tasks

Task	Time Assigned	Time Completed	Completed By
Review from james.meriwether, Dean	10/6/2016 2:09:19 PM	10/7/2016 4:14:48 PM	James Meriwether
Review from donald.rodriguez, Program Chair/Director	10/6/2016 2:08:31 PM	10/6/2016 2:09:19 PM	Donald Rodriguez
Fill out Request	10/6/2016 12:26:48 PM	10/6/2016 2:08:31 PM	Donald Rodriguez

Actions

- IRA Committee Decision
- View IRA Funds Request

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