



Instructionally Related Activities Funds Request Spring 2016

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IRA Funds Request for ESRM 200 Field Trip to Santa Rosa Island

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Instructionally Related Activities Funds Request Summary

Project Sponsor	Donald Rodriguez
Activity Title	ESRM 200 Field Trip to Santa Rosa Island
Activity/Event Date	4/8-4/10 2016
Date Funding Needed By	2/1/15
Previously Funded?	Yes
Semester/Year	Spring 2015
Proposal #	0688
Report submitted for previously Funded Activity?	Yes
Report submitted for previously Funded Activity	IRAReport_ESRM200_S15.doc
Additional Report #1	—
Additional Report #2	—
Additional Report #3	—
Additional Proposers	—
Academic Program(s) / Center Name(s)	Environmental Science and Resource Management
Estimated total Course Fee revenue	1229.25
Amount Requested from IRA	2599.75
Estimated Number of Students Participating	25
Conditions and Considerations	Field Trip
Brief Activity Description	The basic itinerary for the ESRM 200 Field Trip to Santa Rosa Island includes: Friday - Natural & Cultural Resource tour of the Island upon arrival including an orientation hike up Cheery Canyon Saturday - Native Plant Monitoring (protocol attached), Rapid Research Project (activity description)

	<p>attached), evening Lecture - Human Land Use on Santa Rosa Island Sunday - Song Sparrow Banding, ROV, and Sandy Beach Research Presentations and Activities</p> <p>The trip will include valuable field investigations that provide an introduction to field methodology used throughout the curriculum in ESRM. Monitoring using point intercept transect protocols are an important research tool in most field investigations in ESRM. Students will gain valuable field skills while being exposed to unique island ecological systems and biodiversity that are particular to the Channel Islands. This field experience will be a culminating experience for sophomore level ESRM students that have had minimal exposure to field methods and the islands.</p>
Learning Outcomes and Relation to IRA to Course Offerings	<p>The following are course learning outcomes for ESRM 200 followed by a brief narrative on how this trip relates :</p> <ul style="list-style-type: none"> o 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. o 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), o Identify possible causes and propose solutions to environmental problems from the perspective of both environmental science and resource management <p>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.</p> <ul style="list-style-type: none"> o 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	<p>Working in teams students will access historical data regarding Torrey 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.</p>
Activity Budget	Budget_2016.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	Students enrolled in the ESRM 200 class are the intended audience. This field experience will be detailed in the course syllabus. All students enrolled in the course will be expected to attend as part of their course requirement.
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	karen.carey

Acknowledgement	I acknowledge that I have reviewed and accepted the Conditions and Considerations herein. Please check off boxes as appropriate.
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Program Chair/Director Approval

Approval	I approve the IRA Funds Request described on this page
Name	Donald Rodriguez
Date/Time	9/24/2015 4:01:12 AM
Validation	myCI-signin-VC-8908

Dean Approval

Approval	I approve the IRA Funds Request described on this page
Name	Karen Carey
Date/Time	9/28/2015 2:43:09 PM
Validation	myCI-signin-22-5985

IRA Committee Decision

Decision	—
Comments	—

Actions

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