



Instructionally Related Activities Funds Request Spring 2016

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IRA Funds Request for Identifying and implementing mist-netting sites for monitoring birds on Santa Rosa Island

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Instructionally Related Activities Funds Request Summary

Project Sponsor	Allison Alvarado
Activity Title	Identifying and implementing mist-netting sites for monitoring birds on Santa Rosa Island
Activity/Event Date	Spring 2016
Date Funding Needed By	March 30, 2016
Previously Funded?	No
Semester/Year	—
Proposal #	—
Report submitted for previously Funded Activity?	—
Report submitted for previously Funded Activity	—
Additional Report #1	—
Additional Report #2	—
Additional Report #3	—
Additional Proposers	—
Academic Program(s) / Center Name(s)	Biology Program
Estimated total Course Fee revenue	0
Amount Requested from IRA	\$1451.00
Estimated Number of Students Participating	8
Conditions and Considerations	Field Trip
Brief Activity Description	The purpose of this activity is to establish mist-netting sites around the Santa Rosa Island Research Station (SRIRS) for long-term monitoring of migratory songbirds. This trip will allow students to identify birds in a

	<p>variety of habitats and get hands-on training in capturing birds, which is a practical skill for field work in ornithology. This experience will also allow students to engage in service learning since this project involves collaboration with the National Park Service. By contributing critical demographic information on songbirds, the data we collect via mist-netting will complement the park's long-term dataset on landbirds established via point counts. Ultimately, our data can be used for tracking the status and distribution of birds in response to environmental changes (such as habitat restoration after the recent removal of ungulates).</p> <p>The proposed funding is for eight students and one instructor. This is a weekend trip and we will stay at SRIRS for two nights during spring migration. All nets, poles, and wires used for capturing birds are temporary and will be removed prior to our departure. However, once the mist-netting locations are initially set up on this trip (e.g. sites identified and debris cleared), new groups should be able to participate in mist-netting activities during future semesters with minimal set up.</p>
Learning Outcomes and Relation to IRA to Course Offerings	This activity will allow students to apply the principles of island biogeography learned in their biology courses. They will become acquainted with the birds of Santa Rosa Island, where there are many island endemics as well as species that also occur on the mainland. Students will be identifying these birds by sight and sound, and they will learn how to determine the species, age and sex of birds when seen up close in the hand. Students will experience how field biologists conduct research by engaging in the following activities: selecting sites for mist-netting, marking birds with leg bands, and measuring and recording morphological data.
Description of Assessment Process	Prior to the trip, each student will select an island endemic subspecies from a list of those most likely to be encountered. The students will each write a short subspecies account and generate a presentation to teach one another about that species while at SRIRS. The activity will culminate with each student identifying a conservation issue they learned about while on the trip, and proposing a research idea or potential solution for tackling the problem. While in the field, they will also be evaluated on their effort and contribution to the project.
Activity Budget	AlvaradoIRArequestFall2015forSpring2016tbudget.xlsx
CIA Budget	—
CIA Proposal	—
Course Syllabus	—
CIA Certification	—
Other Sources of Funding	There are currently no other sources of funding.
Target Audience/Student Marketing	Students will be recruited from Biol 494 and Biol 490, which will be covering topics related to island biogeography, island endemics, and conservation.
Bring Benefit to Campus	Established mist-netting sites around the SRIRS (which is an outdoor laboratory and an extension of our campus) can be re-visited and re-sampled during future semesters with new groups; this will enable us to continue training biology students in these field methods. Student participants will be trained to identify potential mist-netting sites on and around campus in Camarillo.
Sustainability	Students engaged in this activity will have studied and/or addressed conservation issues associated with island ecosystems as well as the environmental challenges faced by birds as they migrate.
Program Chair/Director	amy.denton
Dean	karen.carey
Acknowledgement	I acknowledge that I have reviewed and accepted the Conditions and Considerations herein. Please check off boxes as appropriate.

Program Chair/Director Approval

Approval	I approve the IRA Funds Request described on this page
Name	Amy Denton
Date/Time	10/2/2015 7:11:08 AM
Validation	myCI-signin-PF-3463

Dean Approval

Approval	I approve the IRA Funds Request described on this page
Name	Karen Carey
Date/Time	10/2/2015 7:54:50 AM
Validation	myCI-signin-NT-3408

IRA Committee Decision

Decision	—
Comments	—

Actions

- [IRA Committee Decision](#)
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