



Instructionally Related Activities Funds Request Fall 2015

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IRA Funds Request for Installing Sustainability Dashboard at Santa Rosa Research Station

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Instructionally Related Activities Funds Request Summary

Project Sponsor	Gregory Wood
Activity Title	Installing Sustainability Dashboard at Santa Rosa Research Station
Activity/Event Date	Two trips in Fall 2015 semester: first near the middle of term, second near the end
Date Funding Needed By	August 20 2015
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)	UNIV
Estimated total Course Fee revenue	n/a
Amount Requested from IRA	* \$1513.80
Estimated Number of Students Participating	5
Conditions and Considerations	Field Trip
Brief Activity Description	<p>The purpose of the activity is to design and integrate electricity, propane, water and trash sensors with energy dashboard at the Santa Rosa Islands Research Station (SRIRS) to measure. These sensors will help give a more complete picture of the sustainability of the station. Students will travel twice to the SRIRS during the Fall 2015 semester. Each trip will last three days, spending two nights in the station house. The first trip is to help understand how these sensors fit into the overall plan for sustainability at SRIRS and where and how the sensors are to be installed. The second trip is to install the sensors and integrate them with the data collection at that station.</p> <p>The students will be enrolled in UNIV 492, Sustainability in Campus Infrastructure, in which they learn about the sustainability of the CI campus infrastructure. The SRIRS is an ideal laboratory for sustainability as it is on an island making it far easier to account for everything brought in to the station, and everything hauled back out. Sustainability is part of the mission of the research station, and this project facilitates bringing key data to a dashboard where it has easy web access to the broader campus community.</p> <p>Note: funds to purchase the sensors has been identified through Cause Hanna, SRI Research Station Manager.</p>
Learning Outcomes and Relation to IRA to Course Offerings	<p>1. Course is UNIV 492 – Sustainability in Campus Infrastructure</p> <p>2. Students will learn about key sustainability features of the CI campus and the specifics of the research station over the first half of the course, at which point the first trip to the island occurs. Next, specific hardware is ordered which may work best on the island environment, and a second trip, near the end of term, in which the hardware are installed. Ordering and testing sensors may take some time between the two trips.</p>
Description of Assessment Process	The proposed projects will be assessed by quantifying the change in sustainable behaviors and attitudes of CI students visiting the SRIRS. There is an ongoing project to survey all CI students who use the SRIRS and specifically ask them how their attitudes toward sustainability have changed and how their use of the station has impacted their educational experience. The sensors installed under this proposal will help students see the resources we all use in daily life, and by having a record of the use of prior groups, students can compare their behavior with others.
Activity Budget	travelbudgetuniv492_IRA_fall2015.xlsx
CIA Budget	—

CIA Proposal	—
Course Syllabus	—
CIA Certification	—
Other Sources of Funding	Funds are available for the purchase of hardware from Cause Hanna, the SRI Research Station Manager. Students will fund one third of the expense of the trip.
Target Audience/Student Marketing	Students are recruited for this course via email and word of mouth mostly within STEM disciplines by contact with program chairs.
Bring Benefit to Campus	Faculty and students will present a poster at the annual student-faculty research conference (Sage Conference) and program specific colloquium.
Sustainability	This proposal centers on sustainability and improving both: (1) student understanding of sustainability and (2) the sustainability of the research station, a part of our campus.
Program Chair/Director	marie.francois
Academic Affairs AVP	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	—
Name	—
Date/Time	—
Validation	—

Academic Affairs AVP Approval

Approval	—
Name	—
Date/Time	—
Validation	—