



<http://www.csuci.edu/ira/index.htm>

Application
Instructionally Related Activities Funds Request
2009-2010 Academic Year
DEADLINE: Fall and Academic Year 3/15/09
Spring 10/15/10

Applications must first be sent to the appropriate program chair. Chairs will then recommend and route them to the Dean's Office for review and authorization. The Dean's Office will then forward them to the IRA Committee for consideration.

Activity Title: Tools for Energy Conservation Labs and Service Learning

Project Sponsor/Staff (Name/Phone): Sean Anderson (staff = Mary Devins @ x 3253)
 Activity/Event Date(s): Fall Semester Classes and Spring Semester Classes
 Date Funding Needed By: September 30

**Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2008 and for Spring Requests early January 2009.

Please check if any of the following apply to your IRA:

☒ Equipment Purchase

Event

IT Requirements

International Travel

Space/OPC Requirements

Infrastructure/Remodel

Other _____

Field Trip

Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter

Risk Management Consultation

Late Submission (Passed Deadlines: **Fall 3/15, Spring 10/15**)

Previously Funded: YES ☒ NO

Yes, Request # _____

Does your proposal require IRB (Institutional Review Board) approval: Yes ☒ No

Assessment submitted for previously Funded Activity: YES ☒ NO

Academic Program or Center Name and Budget Code: ESRM 765-00035

Date of Submission: March 15, 2009

Amount Requested: \$1,769
 (Should match item 2. E. on page 4)

Estimated Number of Students Participating: 35 per semester (~70 per year) minimum



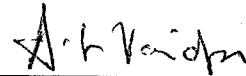
Application
Instructionally Related Activities Funds Request
2009-2010 Academic Year

Requirements and Signatures

Please provide the following in your application:

1. **Brief Activity Description.** Describe the activity and its relationship to the educational objectives of the students' program or major.
2. **Relation to 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. Please list all classes that relate to the program proposed.
3. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note a report will be due at the end of the semester.**
4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)
5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.
7. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.

Signatures and Dates

 _____ Project Sponsor	3/13/09 _____ Date
 _____ Program Chair/Director	3/14/09 _____ Date
 _____ Dean	3/17/09 _____ Date

Activity Description

I seek to purchase an allotment of in-line, portable electricity meters for a typical class size of ESRM 100: Introduction to Environmental Science (a lower division science GE course). These meters go between the wall socket and the power plug of any electronic device and are particularly valuable at documenting the usage of alternate load-bearing devices (freezers, hair dryers, microwaves, etc.). These meters will be used in one or more labs wherein students document their home electricity use and/or the electricity use of CSUCI campus facilities (Staff offices, faculty offices, etc.). As our campus has been unable to provide us with electricity usage data on anything other than the most crude scale, we are unable to discuss campus energy usage in an semblance of a realistic manner. This makes discussions of specific campus carbon footprints, offsets, and general efficiency issues difficult to say the least. Having access to such meters would also allow students to compare their own personal electricity usage in the dorms or at home.

While our campus is the "Green Campus," very little information exists to actually demonstrate such a heritage. Acquiring such meters would be a first step towards this goal and towards one of the central goals of our current 5-year campus plan (i.e. sustainability).

Activity Description

The natural fit of this activity into ESRM 100 by no means precludes their use in other courses and students projects. ESRM capstone, Intro Physics courses, and Anthropology courses could all easily use these tools.

Activity Assessment

Following the first few labs wherein these electricity meters would be used, we will survey the students and determine if such fine-scale knowledge of their energy usage patterns is a useful piece of information. Also we will survey the students post lab to see if they have indeed altered any of their electricity usage. These particular meters can (in addition to basic electrical power units) display energy consumption in terms of \$ per month, \$ per year, and pounds of carbon emitted per year to aid in individuals understanding what a given consumption level means.

Activity Budget

We seek funding to purchase 35 meters.

Sources of Additional Support

For the courses wherein these devices would be used, no lab fees exist. They are by their very nature introductory and have no plans to add such fees anytime in the near future. Campus OPC has expressed an interest in such activities and can help with logistics and access to campus areas, but cannot provide such materials to students nor funding for such purchases.

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Devins, Mary

From: Anderson, S ean
Sent: Monday, January 18, 2010 1:38 A M
To: Devins, Mary
Subject: IRA-Energy Measuri ng

\$1769 total
award

Mary,

Here is what I would like to order with my IRA for the Energy Efficiency studies. A few students are interested in starting to use this stuff this semester, so when you order them please let me know the estimated delivery.

From www.smarthome.com (The Home Depot site is currently down, but they may have these cheaper)

10x Watts up? .net 1 @ \$21 = \$221 \$220.23 # 90550
Watts Up? PRO es 1 @ \$189 = \$189 \$188.98 # 9057
Watts Up? PRO 9 @ \$120 = \$1080 \$119.33 # 9056

\$1073.97
+ 220.23
188.98
\$1483.18

From www.onsetcomputer.com (www.onsetcomp.com):

Hobo Temperature/Light Logger (model UA-002-64)
4 @ \$55 = 220

Free Shipping -
They take
Amex

Total = \$1710 before s&h

Thanks mucho!

Sean

Sean Anderson
sean.anderson@csuci.edu office: 805.437.8984 fax: 805.437.8864

my lab page : http://faculty.csuci.edu/sean.anderson/Sean_Andersons_Home_Page/Welcome.html
my video podcasts at iTunesU: <http://deimos.apple.com/WebObjects/Core.woa/Browse/csuci.edu.1861517352>

Environmental Science and Resource Management Program
California State University Channel Island
One University Drive
Camarillo, CA 93012-8599

Devins, Mary

From: orders@smarthome.com
Sent: Thursday, March 04, 2010 4:45 PM
To: Devins, Mary
Subject: Your Smarthome Order (3-2153932)



Order Confirmation

Dear Callie,

Thank you for your order!

You may check the current status of your order at any time by [clicking here](http://www.smarthome.com/OrderStatus.asp?oC=3-2153932&oZ=93012)

or copying and pasting the link below into your browser address bar.

<http://www.smarthome.com/OrderStatus.asp?oC=3-2153932&oZ=93012>

See below for order details.

Bill To:

Callie Juarez
CSU Channel Islands
ONE UNIVERSITY DRIVE
Camarillo, CA 93012
United States
805-437-3253

Ship To:

Callie Juarez
CSU Channel Islands
ONE UNIVERSITY DRIVE
Camarillo, CA 93012
United States
805-437-3253

Shipping Via: 2nd Day Air

Web Receipt #: 3-2153932





(Please note: Order number will be sent with your shipping confirmation.)

Items You Ordered

Qty	Description	Price	Total
1	9057 Watts Up? Pro ES AC Power Meter (Hot Deal!)	\$188.98	\$188.98
9	9056 Watts Up? Pro AC Power Meter (Hot Deal!)	\$119.93	\$1,079.37
1	90550 Watts Up? .net Internet Enabled Power Meter (Hot Deal!)	\$220.23	\$220.23
	S&H		\$21.36
	Sales Tax		\$122.81
	TOTAL		\$1,632.75

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*Does not apply to drop ship or special order items.

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