



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

Application
Instructionally Related Activities Funds Request
2012-2013 Academic Year
DEADLINE: Fall and Academic Year 3/31/12
Spring 2013 deadline is 10/31/12

Applications must first be sent to the appropriate program chair. Chairs will the 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:

Project Sponsor/Staff (Name/Phone): Dr A. Chapman, (x 2774)

Activity/Event Date(s): Field trips for Biol 433: Fall 2012 & Biol 451 for Spring 2013

Date Funding Needed By: Sept 1st, 2012

***Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2012 and for Spring Requests early January 2013.*

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

Previously Funded: YES Yes, Request # 375

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

Assessment submitted for previously Funded Activity: YES

Academic Program or Center Name and Budget Code: Biol 720

Date of Submission: March 16th 2012

Amount Requested: \$4212.00
(Should match item 2. E. on page 4)

Estimated Number of Students Participating: Fall 2012~48; Spring 2013~24

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Conditions and Considerations

Equipment Purchase-If requesting large equipment, Project Sponsor must show proof of correspondence with OPC Administration. In addition, all other purchases must follow Procurement Guidelines

Events-Attach copy of Events and Facilities Use Request Form (Public Folders-Events & Facilities folder) Consider time frame for set-up and take down.

Participant Data Collection for Public Dissemination-If Project Sponsor proposes to conduct research with human participants then it may be subject to IRB (Institutional Review Board for the Protection of Human Subjects) review. It is the Project Sponsor's responsibility to inquire with the IRB **prior** to IRA application submission to determine if the project is exempt from IRB review so that funding is not delayed. Please indicate on the cover page if your project is exempt from IRB review.

Field Trip-If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

IT Requirements-Requires proof of correspondence and approval from IT Administration

International Travel-Requires International Travel application be submitted to Center for International Affairs.

Risk Management Consultation-Requires proof of correspondence with Risk Management.

Space/OPC Requirements, Infrastructure/Remodel-Requires proof of correspondence with OPC Administration .

Late Submission - Requires explanation for emergency funding.

Fiscal Management: Project Sponsor's program will be responsible for all costs incurred over and above what is funded through the IRA award and will be responsible for seeing that any revenue that is intended to offset the amount of the IRA award is transferred accordingly.

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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.

(1) Field Trip to Santa Cruz Island

Fall 2012: The purpose of the trip is to introduce students in Biol 433 (Ecology and the Environment) to the ecology of the Channel Islands. Students will participate in an all day field trip to Prisoners Harbor, Santa Cruz which is part of the Channel Islands National Park. Transportation to the island will be provided by Island Packers, the official National Parks carrier. Students will spend several hours on the island.

(2) Field trip to Western Foundation of Vertebrate Zoology

Fall 2012 and Spring 2013. The purpose of the trip is to introduce Biol 433 and Biol 451 (Ornithology) students to the Western Foundation of Vertebrate Zoology in Camarillo. The WFVZ is both a natural history collection specializing in eggs and nests of birds from around the world, and a research and education institution dedicated to bird conservation.

(3) Field Trip to Bitter Creek National Wildlife Refuge.

Spring 2013. The Bitter Creek National Wildlife Refuge is located in the southwestern San Joaquin Valley foothills of Kern County, California. Elevations on the refuge range from 1,600 to 4,680 feet and is bisected by the notable San Andreas Fault. This 14,097-acre refuge protects the Federally Endangered California condor foraging and roosting habitat. It is the site where the last wild female condor was trapped in 1986. Today, reintroduced condors feed and roost on the refuge.

The purpose of the trip would be to experience wild condors first-hand. Biol 451 (Ornithology) students would gain an understanding and a tremendous amount of insight into the recovery efforts for this species. Students would meet with U.S. Fish and Wildlife personnel to learn how this species has been brought back from the brink of extinction.

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.

Fall 2012: Biol 433 (Ecology and the Environment) investigates the ecological characteristics of natural ecosystems and the basic effects of human society upon those systems. In addition, plant and animal distribution patterns in relation to past and present physical and biotic factors are covered. Issues of resource management, population, food production, global environmental problems are also emphasized to explore future directions. Field trips to local ecosystems are an integral and essential component to further student learning. This field trip will address several student learning outcomes:

- (a) understand the history of the Channel Islands
- (b) familiarize students with endemic, native and exotic species
- (c) evaluate the methods currently being used to restore the island
- (d) quantify the effectiveness of the different management strategies adopted and consider their controversial nature.
- (e) observe and consider the distinct plant and animal communities and how they relate to island biogeography
- (f) appreciate the islands as a repository for the biodiversity of this region

The Channel Islands field trip is an integral component of Biol 433 (Ecology and the Environment). The trip includes a crossing of the Santa Barbara Channel with stops made enroute to look for, and identify, the marine fauna of this region. Once on the island, the students will be taken on a guided hike by an experienced naturalist. They will be introduced to the unique aspects of the ecology of the many plant communities, and identifying dominant, endemic, and indicator plant species to be found on the island.

The hike terminates at a lookout that provides a vantage point from which the island system can be surveyed. From this point students will gain a perspective of the entire ecosystem, encompassing the flora and fauna of the island, the intertidal region and the marine systems of the surrounding channels. We will spend time in this area discussing the organization and the interconnected nature of the entire system and the importance of the land – sea interface.

Fall 2012 and Spring 2013 Western Foundation Of Vertebrate Zoology

The egg collection of the WFVZ the largest in North America, and likely in the world. In addition they have a large collection of nests, study skins and hundreds of mounted bird specimens. The purpose of the trip is to allow students to examine eggs, nests and study skins of birds. This will enable them to:

- (a) appreciate the value of these collections for bird conservation
- (b) discuss some of the extraordinary adaptations birds have evolved
- (c) gain an understanding of evolution and ecology of birds
- (d) view some of the more unusual birds from around the world
- (e) collect data for later analysis in the lab

Spring 2013 Bitter Creek National Wildlife Refuge field trip

The field trip will address several Student Learning Outcomes:

- (a) observe endangered condors in the wild
- (b) appreciate the natural history of this species
- (c) discuss the Condor Recovery program administered by the USFWS
- (d) appreciate the habitat needs of this species
- (e) understand the basic principles of Restoration Ecology
- (f) observe the geologic features of the condor habitat

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.**

Students will be required to complete a lab report which will cover the student learning outcomes as stated above

4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)

Santa Cruz Island

\$51 x 48 students x Fall semester 2012 = \$2448.00

Bitter Creek National Wildlife Refuge

22 students (Road Runner Van) Spring Semester = \$900.00

Western Foundation of Vertebrate Zoology

Facilities-use Fee \$6 x 1 visit x 48 students Fall semester = \$288.00

Facilities-use Fee \$6 x 4 visits x 24 students Spring semester = \$576.00

Total requested = \$4212.00

5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.

The Biology Program has provided binoculars. Students use their own local transport. No other additional sources of funding have been applied for.

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

Angela Chapman

March 12th 2012

Amy Denton

Date

3/31/12

Date

Karen Carey

4/23/12

Date

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ACTIVITY BUDGET FOR 2012-2013

1. Operating Expense Budget

A. Supplies	_____
B. Vendor Printing	_____
C. In-State Travel	\$ 3348.00 <u>(Island Packers and Road Runner)</u>
D. Out-of-State Travel	_____
E. Equipment Rental	_____
F. Equipment Purchase	_____
G. Contracts/Independent Contractors	_____
H. Honorarium	_____
I. OPC Chargeback	_____
J. Copier Chargeback	_____
K. Other (Please Specify)	\$ 864 Facility-use Fee (WVZ)
TOTAL Expenses	\$4,212

2. Revenue

A. Course Fees	_____
B. Ticket Sales	_____
C. Out of Pocket Student Fees (exclusive of course fees)	_____
D. Additional Sources of funding (Please specify And indicate source)	_____

Total Revenue _____

E. **Total Requested from IRA** **\$4,212.00** _____