



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

Application
Instructionally Related Activities Funds Request
2013-2014 Academic Year

DEADLINES: Application Submitted to AVP:
Fall and Academic Year 2013-14: 03/01/13
Spring 2014 deadline: 10/01/13

Submittal Process: Applications must be first be signed by your program chair and then submitted to the appropriate AVP for approval. AVP's will next forward application to the IRA Coordinator for review. If there are questions or concerns, you may be asked for revisions or additional information. The IRA Coordinator will then forward applications to the IRA Committee for consideration.

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.

Duplicate requests- if Sponsor is submitting multiple proposals for recurring events involving speakers, musicians, etc., please combine your requests into one proposal.

Activity Title: Field Trips for Biol 433

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

Activity/Event Date(s): **Spring 2014, exact date to be determined**

Date Funding Needed By: **January 2014**

***Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2013 and for Spring Requests early January 2014.*

Previously Funded? YES NO If Yes, what Semester/Year? **Fall 2012**
Proposal(s) # 375

***If previously funded, please attach copy of post-event IRA Report**

Report submitted for previously Funded Activity?: YES NO

Academic Program or Center Name: **Biology**

Estimated total Course Fee revenue: **0** (40 Course fee for materials only)

Amount Requested from IRA: **2,880.00** (Should match "Total Requested from IRA" on Page 5)

Estimated Number of Students Participating: **48**

Conditions and Considerations

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

Artist/Performer/Speaker Fees & Honoraria- On the Activity Budget, please indicate whether the vendor's price was set by you / CI representative, or is a fee that was set by the vendor themselves.

Large Event- For a large event, consultation with the campus Event Coordinator's office at (805)437-8548 is required.

Equipment Purchase- If requesting large equipment purchase -over \$200, or will be a fixture installed on campus- Project Sponsor must show proof of correspondence with OPC Administration. In addition, all other purchases must follow Procurement Guidelines.

Field Trip- Sponsor must comply with all policies found at <http://www.csuci.edu/hr/AcademicFieldTripGuidelinesandForms.htm>. If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

Involves Human Subject Data Collection for Public Dissemination -Requires IRB Approval. If Project Sponsor proposes to conduct research with human participants, the proposal may be subject to Institutional Review Board for the Protection of Human Subjects (IRB) review. All research that involves any type of interaction with human subjects – from simple surveys to complex biomedical procedures – must be reviewed and approved by the IRB *prior to* starting the research. Data for "Public Dissemination" indicates interviews/surveys that result in a journal/poster session/newsletter, etc.

Exempt from IRB Approval –If your project is exempt from IRB review, include copies of correspondence with IRB Board. 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.

IT Requirements- If your activity has IT requirements, your application requires proof of correspondence and approval from IT Administration.

International Travel- Requires International Travel application be submitted to Center for International Affairs. Include copy of CIA budget and course syllabus in your IRA application.

Risk Management Consultation-Events that involve or engage students directly with a performer or artist (i.e. in a workshop or other than as a passive audience member) will require consultation with Risk Management. 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.

Other -

Application
Instructionally Related Activities Funds Request
2013-2014 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.
 - a. Please list all classes that directly relate to the proposed activity.
 - b. For each class listed in #2a, describe in detail how exactly the IRA activity will be integrated with the class's activities, how often/ on what expected date(s), and to what extent.
3. **Learning Outcomes.** List all expected learning outcomes, as connected specifically with each course listed in #2.
4. **Activity Assessment.** Describe the assessment process and measures that the program will use to determine if it has attained its educational goals. **Please note that a report will be due at the end of the semester.**
5. **Activity Budget.** Please enclose a complete detailed budget of the entire activity. **Bold** specific items that you are requesting IRA to fund (Page 6).
6. **International Trips.** If your event is an international trip submitted through the Center for International Affairs, you must include a copy of the program budget as submitted to CIA (to ensure congruency between the two budgets), as well as a copy of the course syllabus.
7. **Sources of Activity Support.** Please list the other sources of funding (including course fees), and exact expected amounts of additional support for the activity.
8. **Audience/ Marketing/Promotions.** Who is your intended target audience? How will your event be advertised to students?
9. **Sustainability.** If appropriate, indicate how the content or delivery of the project promotes sustainability at CI.
10. **Images.** For previously funded IRA activities, include copies of images from past IRA activity or activities, demonstrating student participation and levels of students served.
11. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations herein.

Application
Instructionally Related Activities Funds Request
2013-2014 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.

(1) Field Trip to Santa Cruz Island

Spring 2014: 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 (WVZ)

Spring 2014: The purpose of the trip is to introduce Biol 433 students to the Western Foundation of Vertebrate Zoology in Camarillo. The WVZ 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.

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.

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.

3. The Santa Cruz Island 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.

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.

The WFVZ field trip will address several student learning outcomes:

- (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

4. **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.

5. **Activity Budget.** Please enclose a complete detailed budget of the entire activity. **Bold** specific items of requested IRA funding. (Page 6)

Transport to and from Santa Cruz Island is \$54.00.

The facilities-use fee at the Western Foundation of Vertebrate Zoology is \$6.

Santa Cruz Island trip is \$54 x 48 students	= 2592.00
WFVZ is \$6 x 48 students	= 288.00
Total requested	= \$2880.00

6. **International Trips.** Not applicable

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

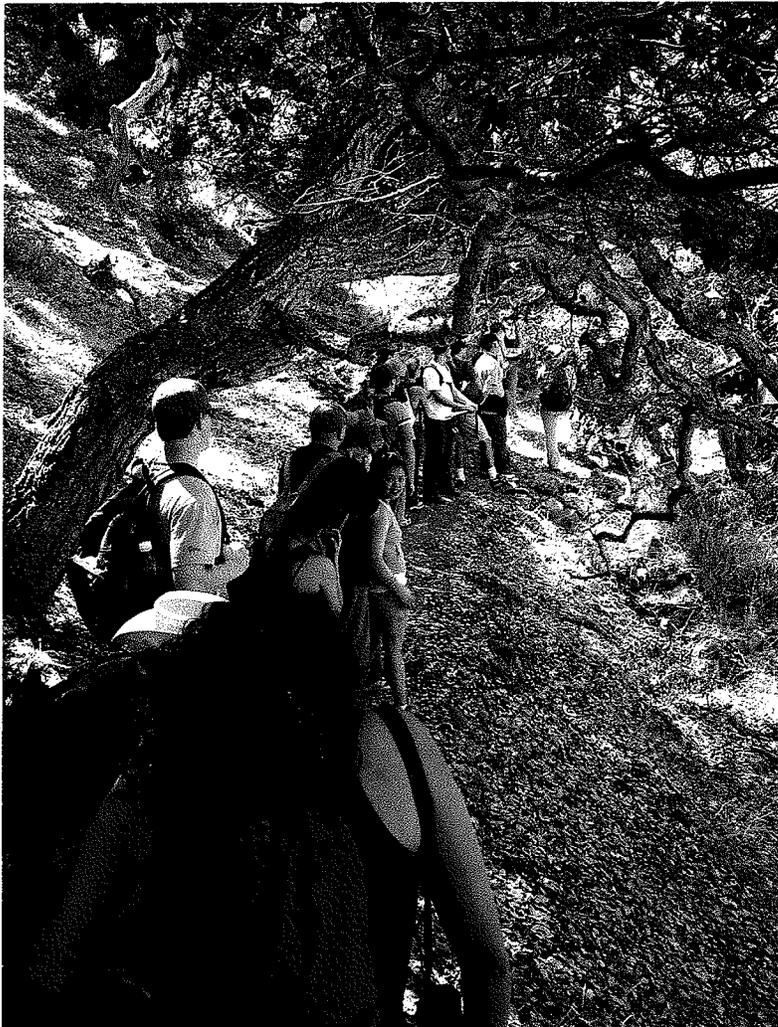
The Biology Program has provided binoculars. Students use their own local transport. No other additional sources of funding are available.

8. **Audience/Marketing/Promotions**
Students will be made aware of the trips at the first class session.

9. **Sustainability**
The very nature of the Ecology and the Environment class has, at its core, an emphasis on sustainability.

10. **Images**
Video made by a student for the October 2009 trip to the Channel Islands:

<http://www.youtube.com/watch?v=VA4uyXKXH0M>





IRA Activity Budget

Activity Title: Field Trips for Biol 433

Name of Sponsor: Dr. A. Chapman

Account	Operating Expenses	Amount	PLEASE EXPLAIN: Comments/Notes
A. Artist/ Performer/Speaker			
613802	Honoraria (Price set by CI)		
613802	Honoraria (Price set by CI)		
613801	Professional Svcs/ Speaker Fees (Price set by vendor)		
601801	Special Consultants (existing CI employees)		
613801	Other Consultants /Other Professional Services		
613001	Independent Contractor(s)		
	Other: Island Packers and WFVZ	\$2,880.00	
	Artist/Performer/Speaker/Consultant TOTALS	\$2,880.00	
B.. Supplies & Services- Other			
660002	Printing		
660017	Advertising (such as in a magazine or publication)		
660831	Copier Chargeback		
660090	Event Signage (wayfinding on day of event)		
660835	Event or Parking-related Staffing		
660825	Rentals or Leases		
660833	Promotional Items (with logo)		
660834	Awards		
660890	Registration- Conferences & Meetings		
660003	Supplies & Services- Other		
660003	Supplies & Services- Other		
660003	Parking (please describe)		
	Other (specify)		
	Other (specify)		
	Supplies & Services- Other TOTALS	\$0.00	
TOTAL EXPENSES		\$2,880.00	
C. Revenue			
	A. Course Fees	\$40/student	lab fee may only be used for materials
	B. Ticket Sales		and computer items (not field trips)
	C. Additional Sources of Funding		
TOTAL REVENUE		\$0.00	
D. TOTAL REQUESTED FROM IRA		\$2,880.00	

E. Other Expenses

Instructional Related Activities
Report Form

SPONSOR	DEPARTMENT
Dr A. Chapman	Biology

ACTIVITY TITLE	DATE (S) OF ACTIVITY
Field Trip to Santa Cruz Island and the Western Foundation of Vertebrate Zoology	March 13 th (Santa Cruz Island) April 22 nd (WFVZ)

PLEASE EXPLAIN (1) DESCRIPTION OF ACTIVITY; (2) HOW DID THE ACTIVITY RELATE TO A COURSE(S); AND (3) WHAT YOU LEARNED FROM THE PROCESS.

The Channel Islands field trip is an integral component of Biol 433 Ecology and the Environment. The trip includes crossing 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 took a guided hike by an experienced naturalist. They were 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.

Students investigated the ecological characteristics of natural ecosystems and the basic effects of human society upon those systems. Plant and animal distribution patterns in relation to past and present physical and biotic factors were covered. Issues of resource management, population, food production, global environmental problems were also emphasized. This field trip addressed several educational objectives of the Ecology and the Environment course. Namely to:

- (a) understand the history of the Channel Islands
- (b) familiarize students with 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 WFVZ trip allowed students to appreciate the value of museum collections and gain an understanding of how scientists use these collections to answer hypothesis –driven questions.



Instructionally Related Activities Report Form

SPONSOR: DR. A. CHAPMAN

DEPARTMENT: BIOLOGY

ACTIVITY TITLE: Field Trip to Santa Cruz Island and the Western Foundation of Vertebrate Zoology

DATE (S) OF ACTIVITY: APRIL 6TH 2013 (WFVZ), MAY 4TH 2013 (SANTA CRUZ ISLAND)

SUPPORTING DOCUMENTATION

Attach:

- 1) Student evaluations or assessments
- 2) A list of attendees complete with each student major and expected graduation date, and
- 3) Images demonstrating student participation (up to 6 images)
- 4) A summary of expenses

E-mail to the IRA Coordinator at lisa.ayre-smith@csuci.edu within 30 days after the activity.

Thank you for your commitment to engaging our students!!

ANSWER THE FOLLOWING QUESTIONS:

(1) PROVIDE A DESCRIPTION OF THE ACTIVITY;

The Channel Islands field trip is an integral component of Biol 433 Ecology and the Environment. The trip includes crossing 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 took a guided hike by an experienced naturalist. They were 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.

Students investigated the ecological characteristics of natural ecosystems and the basic effects of human society upon those systems. Plant and animal distribution patterns in relation to past and present physical and biotic factors were covered. Issues of resource management, population, food production, global environmental problems were also emphasized



(2) HOW DID THE ACTIVITY RELATE TO A COURSE(S) AND/OR LEARNING OBJECTIVES?

This field trip addressed several educational objectives of the Ecology and the Environment course. Namely to:

- a. understand the history of the Channel Islands
- b. familiarize students with 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 WFVZ trip allowed students to appreciate the value of museum collections and gain an understanding of how scientists use these collections to answer hypothesis –driven questions.

(3) WHAT DO YOU SEE AS THE STRENGTHS OF THE ACTIVITY?

The hands on component of the trips were the main strength of both activities. Additionally, the activities promoted inquiry based education so the students changed from passive to active learners and scientists.

(4) WHAT WOULD YOU SAY ARE/WERE THE ACTIVITY'S WEAKNESSES?

The logistics associated with planning the activities took a considerable amount of time, but the payoff was well worth it. These two activities were course highlights for many of the students.

(5) HOW WOULD YOU IMPROVE THIS ACTIVITY FOR NEXT TIME?

The trip to Santa Cruz Island should be conducted slightly earlier in the semester so that we could use the experiences and knowledge that we gained from the trip to expand and reinforce other concepts.

(6) WHAT DID YOU LEARN FROM THE PROCESS?

The single most powerful lesson from this trip is that in order to get the students fully engaged you must completely immerse them within the study system and get their hands dirty. Students were able to directly apply the concepts we learned in the classroom and as a consequence obtained a much deeper understanding.



Summary of Expenses:

Western Foundation for Vertebrate Zoology (WFVZ) Trip

28 participants (27 students and 1 faculty member) x \$6 per person = \$168

Santa Cruz Islands Trip

23 participants (21 students and 2 faculty members) x \$54 per person = \$1242