



Channel Islands
CALIFORNIA STATE UNIVERSITY

Fiscal Year:

* 2011/2012

Entity:

* Campus

413

Request for Goods and Services

PO#

Procurement use

New Vendor: ☒ Yes ☐ No
Vendor Name: Channel Islands Outfitters, Inc
Address: 117 B Harbor Way
City/State/Zip: Santa Barbara, CA 93109
Phone: 805-899-4925
Fax:
E-mail: finance@channelislandso.com
Contact:

Date: 2/22/2012

Requestor : Mary Devins

Phone: x3253

* **Delivery Date:** 4/7/2012

Quote #:

(Please attach all quotes)

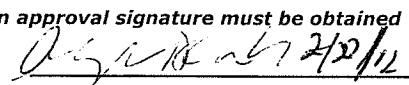
Matching rules: ☐ 2-way ☐ 3-way

* **E-mail copies to:** mary.devins@csuci.edu

shippingandreceiving@csuci.edu

TAXABLE ITEMS											
Catalog/Part #	Description	UOM	QTY	Unit Price	Ext. Price	Account	Fund	Dept	Program	Class	Project
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
Taxable Subtotal					\$0.00						

NON-TAXABLE ITEMS											
	ESCI Path & Paddle	ea	40	\$92.00	\$3,680.00	660003	TK910	720	90355		
	April 7 2012		0	\$1.00	\$0.00						
	1 day boat fare, kayak eq,		0	\$1.00	\$0.00						
	wetsuit, helmet, PFD and		0	\$1.00	\$0.00						
	guide.		0	\$1.00	\$0.00						
	Discount	ea	1	-\$736.00	-\$736.00	660003	TK910	720	90355		
	IPCO tickets	ea	40	\$58.00	\$2,320.00	660003	TK910	720	90355		
			0	\$1.00	\$0.00						
Non Taxable Subtotal					\$5,264.00						

Contract Services: Check one: <input type="checkbox"/> MEA <input type="checkbox"/> CMAS <input type="checkbox"/> Contract proposal attached		Subtotal \$5,264.00 Tax \$0.00 Shipping \$0.00 Total \$5,264.00	Comments: 50% deposit due ASAP, Balance due 3/7/12 IRA funded.
State Contract #: Contract Administrator: Phone: E-mail:		Signatures/Approvals IT Mgr (if required): If order is IT related: An approval signature must be obtained Chair/Dept. Budget:  Dean/Director: Division VP/Designee: President (if required):	



Channel Islands Outfitters, Inc.

aka Paddle Sports of Santa Barbara
aka Blue Sky Wilderness Guides
117 B Harbor Way
Santa Barbara, CA 93109
P: (805) 899-4925

Finance@channelislandsO.com
www.channelislandsO.com

Invoice

Date	Invoice #
4/7/2012	274

Bill To

CSU Channel Islands
Angela Chapman and Tony Robinson
One University Drive,
Camarillo CA 93012

Phone: 805-437-8400

E-mail: rory.robinson@csuci....

P.O. Number

Terms

Rep

Deposit, Balance Due CD

Item Code	Description	QTY	Price Each	Amount
ESCI Path & Paddle	ESCI Path and Paddle Date: April 7 2012 Location: ESCI, Channel Islands National Park Duration: 1-Day Description: Group of 40 or more, 1-day Path & Paddle at ESCI Includes boat fare, kayaking equipment, wetsuit, helmet, PFD, and guided kayaking and hiking.	40	92.00	3,680.00
Discount 20%	20% OFF		-20.00%	-736.00
IPCO Tickets		40	58.00	2,320.00

Subtotal	\$5,264.00
Sales Tax (8.75%)	\$0.00
Payments/Credits	\$0.00
Balance Due	\$5,264.00

Please make all checks payable to Channel Islands Outfitters, Inc.

All Channel Islands Outfitters, Inc. events require a 50% deposit at time of reservation to hold your event date. The final amount is due 30 days before your event.

PAYEE DATA RECORD

(Required in lieu of IRS W-9 when doing business with the State of California)

STD 204 (Rev. 2-2000)

Note: Governmental Entities, federal, state, and local (including school districts) are not required to submit this form.

SECTION 1 must be completed by the requesting state agency before forwarding to the payee

1 PLEASE RETURN TO:	DEPARTMENT/OFFICE CSU Channel Islands	PURPOSE: Information contained in this form will be used by state agencies to prepare Information Returns (Form 1099) and for withholding on payments to nonresident vendors. Prompt return of this fully completed form will prevent delays when processing payments. (See Privacy Statement on Page 2)
	STREET ADDRESS One University Drive	
	CITY, STATE, ZIP CODE Camarillo, CA 93012	
	TELEPHONE NUMBER (805) 437-8400	

2	PAYEE'S BUSINESS NAME Channel Islands Outfitters, Inc.
----------	---

MAILING ADDRESS (Number and Street or P.O. Box Number)

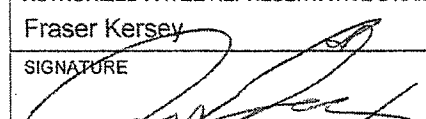
117 Harbor Way, Suite B

(CITY, STATE, and ZIP CODE)

Santa Barbara, CA 93109

3 PAYEE ENTITY INFORMATION	CHECK ONE BOX ONLY		NOTE: State and local governmental entities, including school districts are not required to submit this form. NOTE: Payment will not be processed without an accompanying taxpayer I.D. number.
	<input type="checkbox"/> LEGAL CORPORATION <input type="checkbox"/> MEDICAL CORPORATION <input type="checkbox"/> EXEMPT CORPORATION (Non-profit) <input checked="" type="checkbox"/> ALL OTHER CORPORATIONS FEDERAL EMPLOYER'S IDENTIFICATION NUMBER (FEIN) 27-3494839	<input type="checkbox"/> PARTNERSHIP <input type="checkbox"/> ESTATE OR TRUST	
	<input type="checkbox"/> INDIVIDUAL SOLE PROPRIETOR SOCIAL SECURITY NUMBER OWNER'S FULL NAME - - - - -		

4 PAYEE RESIDENCY STATUS	CHECK APPROPRIATE BOX(ES)	NOTE: a. An estate is a resident if decedent was a California resident at time of death. b. A trust is a resident if at least one trustee is a California resident. (See Page 2)
	<input checked="" type="checkbox"/> California Resident - Qualified to do business in CA or a permanent place of business in CA. <input type="checkbox"/> Nonresident (See Page 2). Payments for services by nonresidents may be subject to state withholding. <input type="checkbox"/> WAIVER OF STATE WITHHOLDING FROM FRANCHISE TAX BOARD ATTACHED <input type="checkbox"/> SERVICES PERFORMED OUTSIDE OF CALIFORNIA	

5 CERTIFYING SIGNATURE	I hereby certify under penalty of perjury that the information provided on this document is true and correct. If my residency status should change, I will promptly inform you.		
	AUTHORIZED PAYEE REPRESENTATIVE'S NAME (Type or Print) Fraser Kersey	TITLE CFO	
	SIGNATURE 	DATE 1/18/12	TELEPHONE NUMBER 805-899-4925



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

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year
DEADLINE: Fall and Academic Year 3/31/11
Spring TBD

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:

Project Sponsor/Staff (Name/Phone): Dr A. Chapman, (x 2774); Dr R. Robinson
 Activity/Event Date(s): Field trips for Biol 433: Fall 2011, & Biol 433/Geol 300 for Spring 2012
 Date Funding Needed By: Sept 1st, 2011

***Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2011 and for Spring Requests early January 2012.*

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

- | | |
|---|---|
| <input type="checkbox"/> Equipment Purchase | <input checked="" type="checkbox"/> Field Trip |
| <input type="checkbox"/> Event | <input type="checkbox"/> Participant data collection for public |
| <input type="checkbox"/> IT Requirements | dissemination, i.e. interviews/surveys that |
| <input type="checkbox"/> International Travel | result is a journal/poster session/newsletter |
| <input type="checkbox"/> Space/OPC Requirements | <input type="checkbox"/> Risk Management Consultation |
| <input type="checkbox"/> Infrastructure/Remodel | Late Submission |
| <input type="checkbox"/> Other _____ | |

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 21st 2011

Amount Requested: \$10,128.00
 (Should match item 2. E. on page 4)

Estimated Number of Students Participating: Fall 2011~48; Spring 2012~48

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year

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.

Application
Instructionally Related Activities Funds Request
2011-2012 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

Fall 2011: 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.

Spring 2012: Incorporated into the above field trip will be a guided kayaking tour from Prisoners Harbor on Santa Cruz Island. This will provide a unique learning opportunity for all students enrolled in Biol 433 and Geol 300 (Foundations of Earth Science).

(2) Field trip to Western Foundation of Vertebrate Zoology

Fall 2011 and Spring 2012. The purpose of the trip is the introduce Biol 433 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.

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 2011: 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 2011 and Spring 2012 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 2012 Santa Cruz Island field trip

I would like to partner with Geol 300 (Foundations of Earth Science). In addition to ecology, the students will have an opportunity to study the island's unique geology and surrounding ocean. The field trip will address several Student Learning Outcomes:

- (a) understand basic principles in Geology including minerals, rocks, the Earth's internal structure, plate tectonics,
- (b) observe surface geological processes, the formation of land features,
- (c) discuss geological time and historical geology
- (d) appreciate the hydrology of the islands
- (e) understand the basic principles in oceanography including the physical structure and chemical composition of the oceans
- (f) observe oceanic circulation, tides, and other ocean features

Surface geology can be observed during the hiking portion of the trip, along both the trail and the estuary in the Prisoner's Harbor area of Santa Cruz Island. Rocks exposed in this area are predominately volcanic and volcanoclastic rocks of the Conejo Volcanics, with occasional exposures of diatomatic shales belonging to the Monterey Formation.

The incorporation of sea kayaking to the field trip would provide views of the larger sea cliff exposures. Specifically, the target area for kayaking would include the 3 coves located immediately west of Prisoner's Harbor. These coves typically provide shelter from the predominately eastward channel swell, which provides for relatively gentle sea conditions.

There are several very unique exposures, which demonstrate larger scale aspects of geology that are not observable on the island due to soil and vegetative cover. Specifically, there are three faults easily visible from the sea. The cliffs in the same area also expose two unconformity surfaces, on a scale that is exceedingly rare outside of the Mojave.

The marine estuary in the Prisoner's Harbor affords an excellent example of a restored native California environment. The incorporation of sea kayaking to the field trip would provide the students with a unique chance to explore the island coastline including three coves with sea cliffs that dive to depths of between 5 to 15 meters. As there are no strong sediment sources on the island and given the relatively large distance from the mainland, the ocean waters are uniquely clear and offer unobstructed views to the seafloor. Within the target area there is a kelp forest with varied density, which allows for views of the marine environment.

Final comments

Risk Management Consultation. I consulted with Bill Kupfer who referred me to Josh Wade (Coordinator of Lifetime Leisure Programs). All his recommendations are covered by the Kayak Company ... see below)

Kayaking Safety: Blue Sky Kayak Tours are currently being considered to support the kayaking portion of the trip. They have worked with the Island Conservancy and have performed this service to the public for several years. The guides provide both safety equipment and safety training prior to launching. Once at sea, the guides move with the group to insure the safety of those kayaking. The guides also have emergency medical training should the need arise.

Student Interest: Informal polling of both current and previous classes provide some interesting results. Roughly 7 out of 10 students have not previously been on the ocean. Approximately 9 of 10 have not been to the Channel Islands. And not surprisingly, roughly 9 of 10 have not previously kayaked. All but a small number of students express a very strong desire to attend the proposed fieldtrip. Both Dr Robinson and I believe that this field trip would provide CSUCI students with a signature fieldtrip, solely unique to this institution.

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 transport costs per student are \$51.00. Kayak fee is an approximately an additional \$99.

Therefore \$51 x 48 students x Fall semester 2011	= \$2448.00
\$150 x 48 students x Spring semester 2012	= \$7200.00
Facilities-use Fee at WFVZ \$5 x 48 students x 2 semesters	= 480.00
Total requested	= \$10,128.00



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

25th 2011

_____	Date
	3/28/2011
_____	Date
	3/29/11
_____	Date

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year

ACTIVITY BUDGET FOR 2011-2012

1. Operating Expense Budget

A. Supplies	_____
B. Vendor Printing	_____
C. In-State Travel	\$ 9648.00 <u>(Island Packers and Blue Sky)</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)	\$ 480 Facility-use Fee (WFVZ)

TOTAL Expenses \$10,128.00 _____

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 \$10,128.00 _____



Instructionally Related Activities Funds (IRA)
2011-2012 Academic Year

Budget Request & Program Set-Up

Date: 6/27/11
To: Budget Office
From: Mary Devins
Subject: IRA Proposal #413 BIOL/GEOL Field Trips


IRA Approved Campus contact: Angela Chapman
Faculty Support Coordinator: Jessyka Dalton

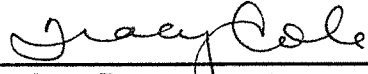
Program Set-Up	
Name of Program (limit to 30 characters)	BIOL/GEOL Field Trips

IRA Funding Source				
Account	Fund	Dept	Program	Monetary Amount
660003	TK910	720		\$10,128
			90355	

Fiscal Year for Budgeting and Spending:	2011-2012
---	-----------

*** Program codes will become inactive at the end of the Budgeted/Spending Fiscal Year ***


IRA Committee Representative Date 6/27/11


Budget Department Date 7/27/11

Applications for Approval Signed by University President or Representative Provost/Dean.
Please return copy of completed/signed form to Mary Devins, Academic Affairs.

Budget Office Use					
Program Set-Up:	CFS Chartfield	✓	Notification	✓	Hyperion Set-Up
Budget Set-Up:	Budget Journal Entry		Journal Entry #		Completed Date



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

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year
DEADLINE: Fall and Academic Year 3/31/11
Spring TBD

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); Dr R. Robinson
 Activity/Event Date(s): Field trips for Biol 433: Fall 2011, & Biol 433/Geol 300 for Spring 2012
 Date Funding Needed By: Sept 1st, 2011

***Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2011 and for Spring Requests early January 2012.*

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

- | | |
|---|---|
| <input type="checkbox"/> Equipment Purchase | <input checked="" type="checkbox"/> Field Trip |
| <input type="checkbox"/> Event | <input type="checkbox"/> Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter |
| <input type="checkbox"/> IT Requirements | <input type="checkbox"/> Risk Management Consultation |
| <input type="checkbox"/> International Travel | <input type="checkbox"/> Late Submission |
| <input type="checkbox"/> Space/OPC Requirements | |
| <input type="checkbox"/> Infrastructure/Remodel | |
| <input type="checkbox"/> Other _____ | |

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 21st 2011

Amount Requested: \$10,128.00
 (Should match item 2. E. on page 4)

Estimated Number of Students Participating: Fall 2011~48; Spring 2012~48

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year

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.

Application
Instructionally Related Activities Funds Request
2011-2012 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

Fall 2011: 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.

Spring 2012: Incorporated into the above field trip will be a guided kayaking tour from Prisoners Harbor on Santa Cruz Island. This will provide a unique learning opportunity for all students enrolled in Biol 433 and Geol 300 (Foundations of Earth Science).

(2) Field trip to Western Foundation of Vertebrate Zoology

Fall 2011 and Spring 2012. The purpose of the trip is the introduce Biol 433 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.

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 2011: 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 2011 and Spring 2012 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 2012 Santa Cruz Island field trip

I would like to partner with Geol 300 (Foundations of Earth Science). In addition to ecology, the students will have an opportunity to study the island's unique geology and surrounding ocean. The field trip will address several Student Learning Outcomes:

- (a) understand basic principles in Geology including minerals, rocks, the Earth's internal structure, plate tectonics,
- (b) observe surface geological processes, the formation of land features,
- (c) discuss geological time and historical geology
- (d) appreciate the hydrology of the islands
- (e) understand the basic principles in oceanography including the physical structure and chemical composition of the oceans
- (f) observe oceanic circulation, tides, and other ocean features

Surface geology can be observed during the hiking portion of the trip, along both the trail and the estuary in the Prisoner's Harbor area of Santa Cruz Island. Rocks exposed in this area are predominately volcanic and volcanoclastic rocks of the Conejo Volcanics, with occasional exposures of diatomitic shales belonging to the Monterey Formation.

The incorporation of sea kayaking to the field trip would provide views of the larger sea cliff exposures. Specifically, the target area for kayaking would include the 3 coves located immediately west of Prisoner's Harbor. These coves typically provide shelter from the predominately eastward channel swell, which provides for relatively gentle sea conditions.

There are several very unique exposures, which demonstrate larger scale aspects of geology that are not observable on the island due to soil and vegetative cover. Specifically, there are three faults easily visible from the sea. The cliffs in the same area also expose two unconformity surfaces, on a scale that is exceedingly rare outside of the Mojave.

The marine estuary in the Prisoner's Harbor affords an excellent example of a restored native California environment. The incorporation of sea kayaking to the field trip would provide the students with a unique chance to explore the island coastline including three coves with sea cliffs that dive to depths of between 5 to 15 meters. As there are no strong sediment sources on the island and given the relatively large distance from the mainland, the ocean waters are uniquely clear and offer unobstructed views to the seafloor. Within the target area there is a kelp forest with varied density, which allows for views of the marine environment.

Final comments

Risk Management Consultation. I consulted with Bill Kupfer who referred me to Josh Wade (Coordinator of Lifetime Leisure Programs). All his recommendations are covered by the Kayak Company ... see below)

Kayaking Safety: Blue Sky Kayak Tours are currently being considered to support the kayaking portion of the trip. They have worked with the Island Conservancy and have performed this service to the public for several years. The guides provide both safety equipment and safety training prior to launching. Once at sea, the guides move with the group to insure the safety of those kayaking. The guides also have emergency medical training should the need arise.

Student Interest: Informal polling of both current and previous classes provide some interesting results. Roughly 7 out of 10 students have not previously been on the ocean. Approximately 9 of 10 have not been to the Channel Islands. And not surprisingly, roughly 9 of 10 have not previously kayaked. All but a small number of students express a very strong desire to attend the proposed fieldtrip. Both Dr Robinson and I believe that this field trip would provide CSUCI students with a signature fieldtrip, solely unique to this institution.

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 transport costs per student are \$51.00. Kayak fee is an approximately an additional \$99.

Therefore \$51 x 48 students x Fall semester 2011	= \$2448.00
\$150 x 48 students x Spring semester 2012	= \$7200.00
Facilities-use Fee at WFVZ \$5 x 48 students x 2 semesters	= 480.00
Total requested	= \$10,128.00

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

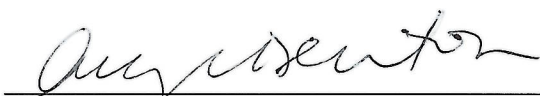
Signatures and Dates

Angela Chapman .

March 25th 2011

Project Sponsor

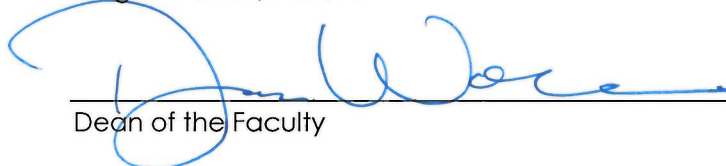
Date



3/28/2011

Program Chair/Director

Date



3/29/11

Dean of the Faculty

Date

Application
Instructionally Related Activities Funds Request
2011-2012 Academic Year

ACTIVITY BUDGET FOR 2011-2012

1. Operating Expense Budget

A. Supplies	_____
B. Vendor Printing	_____
C. In-State Travel	\$ 9648.00 <u>(Island Packers and Blue Sky)</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)	\$ 480 Facility-use Fee (WVZ)
 TOTAL Expenses	 \$10,128.00_____

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	\$10,128.00_____
------------------------------------	-------------------------

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.



Fiscal Year:
* 2011/2012

Entity:
* Campus

413

PO# _____
Procurement use

Request for Goods and Services

New Vendor: ☒ Yes ☐ No
Vendor Name: Channel Islands Outfitters, Inc
Address: 117 B Harbor Way
City/State/Zip: Santa Barbara, CA 93109
Phone: 805-899-4925
Fax: _____
E-mail: finance@channelislandso.com
Contact: _____

Date: 2/22/2012
Requestor : Mary Devins
Phone: x3253

* **Delivery Date:** 4/7/2012
Quote #: _____

Matching rules: ☐ 2-way ☐ 3-way
 * **E-mail copies to:** mary.devins@csuci.edu

shippingandreceiving@csuci.edu

TAXABLE ITEMS		UOM	QTY	Unit Price	Ext. Price	Account	Fund	Dept	Program	Class	Project
Catalog/Part #	Description										
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
Taxable Subtotal					\$0.00						
NON-TAXABLE ITEMS											
	ESCI Path & Paddle	ea	40	\$92.00	\$3,680.00	660003	TK910	720	90355		
	April 7 2012		0	\$1.00	\$0.00						
	1 day boat fare, kayak reg,		0	\$1.00	\$0.00						
	wetsuit, helmet, PFD and		0	\$1.00	\$0.00						
	guide		0	\$1.00	\$0.00						
	Discount	ea	1	-\$736.00	-\$736.00	660003	TK910	720	90355		
	IPCO tickets	ea	40	\$58.00	\$2,320.00	660003	TK910	720	90355		
			0	\$1.00	\$0.00						
Non Taxable Subtotal					\$5,264.00						

Contract Services: Check one: <input type="checkbox"/> MEA <input type="checkbox"/> CMAS <input type="checkbox"/> Contract proposal attached		Subtotal \$5,264.00 Tax \$0.00 Shipping \$0.00 Total \$5,264.00	Comments: 50% deposit due ASAP, Balance due 3/7/12 IRA funded.
State Contract #: _____ Contract Administrator: _____ Phone: _____ E-mail: _____		Signatures/Approvals	
		Print name/Signature IT Mgr (if required): _____ If order is IT related: An approval signature must be obtained Chair/Dept. Budget: <i>[Signature]</i> 2/22/12 Dean/Director: _____ Division VP/Designee: _____ President (if required): _____	



Fiscal Year:
* 2011/2012

Entity:
* Campus

PO# _____
Procurement use

Request for Goods and Services

New Vendor: ☒ Yes ☐ No
Vendor Name: Channel Islands Outfitters, Inc
Address: 117 B Harbor Way
City/State/Zip: Santa Barbara, CA 93109
Phone: 805-899-4925
Fax: _____
E-mail: finance@channelislandso.com
Contact: _____

Date: 2/22/2012
Requestor : Mary Devins
Phone: x3253

* **Delivery Date:** 4/7/2012
Quote #: _____

Matching rules: ☐ 2-way ☐ 3-way
 * **E-mail copies to:** mary_devins@csuci.edu

(Please attach all quotes)

shippingandreceiving@csuci.edu

TAXABLE ITEMS		UOM	QTY	Unit Price	Ext. Price	Account	Fund	Dept	Program	Class	Project
Catalog/Part #	Description										
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
			0	\$1.00	\$0.00						
Taxable Subtotal					\$0.00						
NON-TAXABLE ITEMS											
	ESCI Path & Paddle	ea	40	\$92.00	\$3,680.00	660003	TK910	720	90355		
	April 7 2012		0	\$1.00	\$0.00						
	1 day boat fare, kayak reg,		0	\$1.00	\$0.00						
	wetsuit, helmet, PFD and		0	\$1.00	\$0.00						
	guide		0	\$1.00	\$0.00						
	Discount	ea	1	-\$736.00	-\$736.00	660003	TK910	720	90355		
	IFCO tickets	ea	40	\$58.00	\$2,320.00	660003	TK910	720	90355		
			0	\$1.00	\$0.00						
Non Taxable Subtotal					\$5,264.00						

Contract Services: Check one: <input type="checkbox"/> MEA <input type="checkbox"/> CMAS <input type="checkbox"/> Contract proposal attached State Contract #: _____ Contract Administrator: _____ Phone: _____ E-mail: _____		Subtotal \$5,264.00 Tax \$0.00 Shipping \$0.00 Total \$5,264.00 Comments: 50% deposit due ASAP, Balance due 3/7/12 IRA funded.
Signatures/Approvals IT Mgr (if required): _____ Chair/Dept. Budget: _____ Dean/Director: _____ Division VP/Designee: _____ President (if required): _____		Print name/Signature _____ If order is IT related: An approval signature must be obtained 