



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

Application
Instructionally Related Activities Funds Request
2008-2009 Academic Year
DEADLINE: Fall and Academic Year 3/14/08
Spring 10/15/08

Applications must first be sent to the appropriate program chair. Chairs will 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: "How Things Work"

Project Sponsor/Staff (Name/Phone): Jerry Clifford, 437-2798

Activity/Event Date(s): Fall & Spring semesters 2008-9

Date Funding Needed By: half by September 2008 and half by February 2009

**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:

- | | |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Equipment Purchase | <input 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"/> International Travel | |
| <input type="checkbox"/> Space/OPC Requirements | <input type="checkbox"/> Risk Management Consultation |
| <input type="checkbox"/> Infrastructure/Remodel | <input type="checkbox"/> Late Submission (Passed Deadlines) |
- x Other: Partial payment for activity fee.

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: Physics

Date of Submission: 3/14/08

Amount Requested: \$500
(Should match item 2. E. on page 4)

Estimated Number of Students Participating: 48

Application
Instructionally Related Activities Funds Request
2008-2009 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 (Deadlines: Fall 3/14, Spring 10/15)-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
2008-2009 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.

How Things Work is a course that introduces students to the concepts behind everyday objects and experiences. They see what makes things tick. The course concentrates on ideas, not math, and on familiar scenarios, not abstract constructs. The goal is to excite students' interests in science as they discover that physics is both understandable and fun. Students learn the underlying principles that make our fantastic world work, and they make connections that will carry them beyond knowns to unknowns. Because demonstrations involve everyday materials and objects, students will be able to take ideas home to play on the kitchen counters or family room floors..

To enhance the course, we have the students visit an amusement park and examine the physics of the rides and arcade games. The parks demonstrate many fundamental physics concepts, including conservation of energy, momentum, and angular momentum, torque, force, power, linear motion, circular motion, gravity, and magnetism. Students write a 5-page report on their visit and submit it for a course grade. The park visit is a highlight for many students and they see that physics can really be fun.

This is not a field trip. The choice of an amusement park is up to the students and they may go any time prior to the report due date. We offer, however, a great deal on group-discount tickets at Magic Mountain's Physics Day for those who want to go. The tickets were only \$22.50, which is much less than the normal daily ticket prices of \$59.99. Because IRA funds were not available when I planned the course, I found a private donor who paid \$10 per ticket for students who wanted to attend Physics Day. Having the students pay part of the cost improves commitment and assures attendance. Next year I would like IRA to pay half the ticket cost.

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.

This proposal supports the existing PHYS 103 course, which is a 3 unit course taught each semester. The activity directly contributes to the stated student learning outcomes. The visit is part of the course plan and the report is a graded activity. The course has a maximum enrollment of 24 students. (Enrollment is limited by the number of computers in our physics classroom; we make extensive use of computers in instruction.)

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.**

After visiting the amusement park, the students will write a paper for course credit and answer a brief questionnaire about the visit. The reports will be evaluated to determine the extent of understanding students showed for the physics demonstrated at the park. Student interest in this activity will also be assessed. The information will be collected into a report at the end of each semester.

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

With a 24-student course enrollment, I expect a maximum of 20 students to participate in the group activity per semester. The anticipated cost per ticket will be \$25, half of which will be paid by the students. IRA would pay \$12.50 per student for a total of \$250 per semester – or \$500 per year.


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

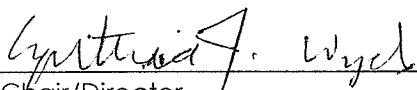
The students will pay half the cost of a ticket if they join the group at Magic Mountain's Physics Day. They will pay a total of \$500 for the activity. Students who choose to go to other amusement parks will pay their own way, which may be \$200. The students will be encouraged to car pool because they also will pay parking, which is \$15.

This year a private donor paid \$80 for student tickets. He attended the event and received a complementary pass – but paid parking.

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

 _____ 03/14/08
Project Sponsor Date

 _____ 3/14/08
Program Chair/Director Date

 _____ 3/17/08
Dean

RECEIVED

MAR 1 2008

Dean's Office

Application
Instructionally Related Activities Funds Request
2008-2009 Academic Year

ACTIVITY BUDGET FOR **2008-2009**

1. Operating Expense Budget

A. Supplies	none
B. Vendor Printing	none
C. In-State Travel	included
D. Out-of-State Travel	none
E. Equipment Rental	none
F. Equipment Purchase	none
G. Contracts/Independent Contractors	none
H. Honorarium	none
I. OPC Chargeback	none
J. Copier Chargeback	none
K. Other (Please Specify)	\$500
 TOTAL Expenses	 \$500

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)	_____
E. Requested Allocation from IRA	

Total Revenue none

Application
Instructionally Related Activities Funds Request
2008-2009 Academic Year

ACTIVITY BUDGET FOR 2008-2009

1. Operating Expense Budget

A. Supplies	none
B. Vendor Printing	none
C. In-State Travel	included
D. Out-of-State Travel	none
E. Equipment Rental	none
F. Equipment Purchase	none
G. Contracts/Independent Contractors	none
H. Honorarium	none
I. OPC Chargeback	none
J. Copier Chargeback	none
K. Other (Please Specify)	\$1340

The anticipated cost per ticket will be \$25, half of which will be paid by the students.

IRA would pay \$12.50 per student for an estimated 20 students in a class for a total of \$250 per semester – or \$500 per year. Plus approximately \$7.50 per student for parking and \$25 for my admission and \$15 for parking.

TOTAL Expenses	\$1340
----------------	--------

2. Revenue

A. Course Fees	_____
B. Ticket Sales	_____
C. Out of Pocket Student Fees (exclusive of course fees)	_____ \$800

Each student will pay \$12.50, or half the ticket fee. Also students will pay \$15 parking fee per car. I assume some carpooling, so each student pays \$7.50. The total would be \$20 per student for 20 students each semester times two semesters = \$800.

D. Additional Sources of

funding
(Please specify
And indicate source) _____ \$40
The instructor will pay \$25 for a ticket and \$15 for parking to join the students for
the day. This does not include the purchase of ice cream, which is optional.

E. Requested Allocation
from IRA **\$500**

Total Revenue \$1340

CSU

251

C.I.T # _____

TRAVEL EXPENSE CLAIM (TEC)

Must be submitted within 30 days of the end of travel

Employee Applicant Volunteer Non-Employee Student (waiver on file)

TRAVELER'S NAME Jerome Clifford	RESIDENCE ADDRESS 2215 Stacy Lane	CITY/STATE/ZIP CODE Camarillo, CA 93012
-------------------------------------------	--------------------------------------	--------------------------------------------

HEADQUARTERS ADDRESS One University Drive	HEADQUARTERS CITY/STATE/ZIP Camarillo, CA 93012	TRAVELER'S PHONE NO. 437-2798	DEPARTMENT 785	POSITION lecturer	DATE PREPARED 12/18/08
----------------------------------------------	----------------------------------------------------	----------------------------------	-------------------	----------------------	---------------------------

DEPARTURE DATE 9/28/08	DEPARTURE TIME (AM/PM) 9am	RETURN DATE 9/28/08	RETURN TIME (AM/PM) 8om	FORM PREPARED BY Mary Devins	EXTENSION 3253	DELIVERY OPTIONS SELECT ONE: Mail Check <input checked="" type="checkbox"/> Pickup Check <input type="checkbox"/>
---------------------------	-------------------------------	------------------------	----------------------------	---------------------------------	-------------------	----------------------------------------------------------------------------------------------------------------------------

SAME-DAY TRAVEL														
DATE	DESTINATION	LODGING	MEALS (Taxable*)			INCIDENTALS	REGISTRATION	COST OF TRANS.	TYPE USED	TRANSPORTATION		BUSINESS EXPENSE	TOTAL EXPENSES FOR DAY	
			Breakfast	Lunch	Dinner					CARFARE TOLLS PARKING	PRIVATE CAR USE MILES AMOUNT			
9/28/08	Magic Mountain	NA		NA		NA						0.00	121.50	121.50

OVERNIGHT TRAVEL													
DATE	DESTINATION	LODGING	MEALS			INCIDENTALS	REGISTRATION	COST OF TRANS.	TYPE USED	TRANSPORTATION		BUSINESS EXPENSE	TOTAL EXPENSES FOR DAY
			Breakfast	Lunch	Dinner					CARFARE TOLLS PARKING	PRIVATE CAR USE MILES AMOUNT		
						N/A						0.00	0.00
												0.00	0.00
												0.00	0.00
												0.00	0.00
												0.00	0.00
												0.00	0.00
												0.00	0.00
												0.00	0.00

SUBTOTAL	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0	\$0.00	\$0.00	0.00
LESS AMOUNT PREVIOUSLY PAID BY CSUCI													0.00
LESS ANY OTHER ADJUSTMENTS	Comments:												
AMOUNT DUE TRAVELER												\$121.50	

Account	Fund	Dept	Program	Class	Project	Amount
* 606803						0.00
660003	TK910	785	90215			121.50

PURPOSE OF TRIP, REMARKS, AND DETAILS: Attach original receipts to 8.5" X 11" paper and submit with claim

IRA funded activity, How Things Work trip to Magic Mountain. IR proposal, report which includes students names and receipt for admission attached.	NORMAL WORK DAYS & HOURS
	PRIVATE VEHICLE LICENSE
	MILEAGE RATE CLAIMED 0.585 (If different see instructions)

I HEREBY CERTIFY that the above is a true statement of the travel expenses incurred by me in accordance with the applicable California State University procedures and CSUCI procedures, and that all items shown were for the official business of The California State University. If a privately owned vehicle was used, and if mileage rate exceeds the minimum rate, I certify that the cost of operating the vehicle was equal to or greater than the rate claimed, and that I have met the requirements as prescribed by SAM Sections 0750, 0751, 0753, and 0754 pertaining to vehicle safety and seat belt usage.

CLAIMANT'S PRINTED NAME Jerome R. Clifford	CLAIMANT'S SIGNATURE <i>Jerome Clifford</i>	DATE 02/26/09
MANAGER'S PRINTED NAME Dan Waeber	MANAGER'S SIGNATURE <i>Dan Waeber</i>	DATE 2/3/09
DIVISION APPROVAL PRINTED NAME (VP OR DESIGNEE) Ashish Vaidya, Dean of the Faculty	DIVISION APPROVAL SIGNATURE <i>Ashish Vaidya</i>	DATE 3/2/09
GRANTS/CONTRACTS ANALYST PRINTED NAME (for SA901 funds only)	GRANTS/CONTRACTS ANALYST SIGNATURE <i>[Signature]</i>	DATE

Accounting for IRA Funds

"How Things Work" class went to Magic Mountain

Fall 2008

Number of students who went	Number of friends	Students with season pass	Amount of money collected from students (9 @ \$12.50)	Amount of money collected for friends (6 @ \$26)	Cost of tickets at group discount (15 @ \$26)	Money requested from IRA (9 @ \$13.50)
10	6	1	\$ 112.50	\$ 156.00	\$ 390.00	\$ 121.50

Jerome Cigna

10/3/08



Six Flags California

Cash Group Shipment Voucher

Order No: 00000136728
Order Date: 09/24/2008
Visit Date: 09/28/2008
Sold Rachael

Customer No: 000000088516
Attn JEROME R. CLIFFORD*
Sold to: CSU CHANNEL ISLANDS PHYSICS
Address: 2215 STACY LANE
CAMARILLO, CA 93012

Shipping Address:
Ship to: CSU CHANNEL ISLANDS PHYSICS
Address: 2215 STACY LANE
CAMARILLO, CA 93012

Item	Beginning No.	Ending No.	Price	Quantity	Total
Advanced Group Rate	11060800631180	11060800631194	26.00	15	\$ 390.00
MM CASH GROUP COMPLIMENTARY -	11060800130131	11060800130132	0.00	2	\$ 0.00

Customer Copy

Totals 17 \$ 390.00