



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

Application
Instructionally Related Activities Funds Request
2010-2011 Academic Year
DEADLINE: Fall and Academic Year 3/31/10
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: New West Symphony Orchestra – Physics of Music

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

Activity/Event Date(s): Fall & Spring semesters 2010-2011

Date Funding Needed By: half by October 2010 and half by March 2011.

**Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2009 and for Spring Requests early January 2010.

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"/> Risk Management Consultation |
| <input type="checkbox"/> Space/OPC Requirements | <input type="checkbox"/> Late Submission (Passed Deadlines) |
| <input type="checkbox"/> Infrastructure/Remodel | |
- Other: partial payment for outside event

Previously Funded: YES NO Yes, Request # 297 for 2009-2010

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: Applied Physics

Date of Submission: 3/18/10

Amount Requested: \$240
 (Should match item 2. E. on page 4)

Estimated Number of Students Participating: 48

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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.

The Physics of Music course is designed to give a useful and fun understanding of music and sound for general education, physics and performing arts students interested in music and speech. The format includes lectures, demonstrations, and hands-on activities. After covering the basic foundations of sounds and music, the students investigate each musical instrument group, including percussion, plucked strings, bowed strings, blown pipes, blown reed instruments and the human voice.

To enhance the course, we want to expose students to a professional orchestra performance. Most of our students have never seen a professional orchestra concert. Our students will attend the NWS concert in Oxnard on April 16 this year. Students are more familiar with rock concerts that incorporate different musical instruments. The New West Symphony is local and very high caliber. They play often-recognizable classical pieces. The students will hear in concert the instruments they have studied in class. Hopefully, this will introduce students to a lifetime of music appreciation beyond the rock concerts.

As the University's Performing Arts Music program grows, we hope CSUCI will have orchestra performances that we can attend on campus rather than off-campus events.

This is not a field trip. The choice of a concert and venue 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 The New West Symphony. NWS offers \$25 group tickets, which is much less than the normal single-seat ticket prices of \$78.

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 would support the existing courses PHYS 335/PAMU 335, which is a 3 unit course, currently taught in the Spring semester. The course is very popular and has an enrollment of 24 students, limited by the lab. Next year, because of popularity, we will double the enrollment by offering it in both the Fall and Spring semesters. The course examines the sounds of the various instruments in the orchestra.

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 the concert, 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 of the instruments and the sounds observed. 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)

Last year the New West Symphony quoted us a group rate of \$25 per person for the Oxnard venue, where many of our students live. This is a great price compared to the lowest standard price for single seats of \$78. This year we got special \$10 student tickets for the upcoming April concert. We plan on an equivalent offer next year. With two courses of 24-student, I expect a maximum of 48 students to participate in the group activity. I would like IRA to pay half the ticket cost (\$5) while the students pay the other half (\$5). Having the students pay part of the cost improves commitment and assures attendance.

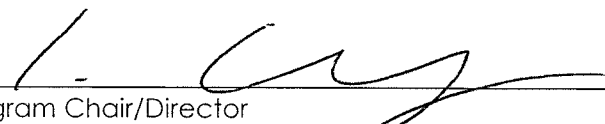
5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.

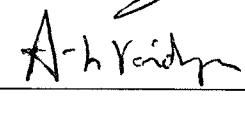
Students will pay \$5 per ticket. Also, students will pay their own transportation and parking. The total student cost will be \$240 to \$300. The instructor will pay his own way.

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

 _____ 3/18/2010
Project Sponsor Date

 _____ 3/18/2010
Program Chair/Director Date

 _____ 3/24/10
Dean

Application
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2010-2011 Academic Year

ACTIVITY BUDGET FOR 2010-2011

1. Operating Expense Budget

A. Supplies	none
B. Vendor Printing	none
C. In-State Travel	none
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)	\$490
\$10 per ticket for 48 students.	
\$10 for instructor ticket	
TOTAL Expenses	\$490

2. Revenue

A. Course Fees	_____
B. Ticket Sales	_____
C. Out of Pocket Student Fees (exclusive of course fees)	\$240
<p>Each student will pay \$5 of the ticket price. Also students will pay transportation and parking. This would cost up to \$300</p>	
D. Additional Sources of funding (Please specify And indicate source)	\$10 instructor will pay for his ticket
Total Revenue	\$250
E. Total Requested from IRA	\$240

350

Instructional Related Activities
Report Form

SPONSOR	DEPARTMENT
Jerry Clifford	Physics

ACTIVITY TITLE	DATE (S) OF ACTIVITY
New West Symphony concert for Physics of Music class	October 8, 2010 & April 29, 2011

E-mail to the Dean's Office
30 days after activity



Description of Activity:

Our Physics of Music students attended New West Symphony concerts in Oxnard on October 8, 2010, for the fall semester and on April 29, 2011, for the spring semester. Most of our students had never seen a professional orchestra performing a live concert. The New West Symphony is local and very high caliber. They play often-recognizable classical pieces. The students heard in concert the instruments they have studied in class. Students are more familiar with rock concerts that incorporate different musical instruments. Hopefully, this was a memorable introduction for students to a lifetime of music appreciation beyond the rock concerts.

In the fall semester, students heard Christopher O'Riley as the piano soloist in the Rachmaninov Concerto No. 3 in D Minor for Piano & Orchestra. The students were sitting in the first rows of the theater so they had an excellent view of the pianist. The

students generally found O’Riley to be good but have annoying habits that distracted from the music. They preferred the Biggs’ *Sousaphernalia* and enjoyed the Dvorák Symphony No. 8 in G Major the most. The front row seating, however, limited their view of other musicians and the instruments they played. For example they could not see the flute and bassoon solos so they could not associate the specific instruments with the sounds they heard. Most students enjoyed being so close to the front row musicians, however. Students were amazed that the large groups of violinists played so well together – and in unison used the same bowing motion.



In the spring semester, students heard the “Music to See” concert with often familiar music. The concert included Rimsky-Korsakov’s *Scheherazade* with images of Arabian nights and virgin princesses. The evening included a multi-media presentation in collaboration with California State University Channel Islands art department; student-created images were projected on the walls. Several students found the images distracting from the music. The highlight of the concert for most was the *Grand Canyon Suite* by Ferde Grofé, which often reminded students of the cartoon version they grew up with. It is easy to visualize the mules walking down the trail in the third movement “On the Trail”. The piece also gave an excellent display of many musical instrument solos so the students could associate the sounds with the instruments. The concertmaster was especially animated and exciting for the students to appreciate. Most students sat in the back of the auditorium for the second half of the concert where they had better overall view of the entire orchestra and excellent sound.

Sixteen students attended the fall concert and eleven students attended the spring concert, many bringing student friends to share the experience.

Carmichael, Adam	Anson	Elizabeth
DeVillers, Maia with friend	Desautels	Nicholas
Farris, Maxx	Everly	Shane with friend
Greco, Guy with friend	Gambon	Ashlyn with friend
Jacobson, Matthew	Gilreath	Brian
Kim, Soo-Ji	Hunt	Jonathan
Kuntzman, Alan with friend	Karpf	Brian with friend
Losey, Jill with friend	Knowles	Christopher
Makos, Jeffrey	Kuck	Amanda with friend
Medina, Francesca	Pace	Melissa
Migdali, Matt	Skuba	Peter with 3 friends
Paco, Ryan with friend		
Perez, Jose		
Stimac, Rachel with friend		
Tull, Christopher		
Zielsdorf, Owen		

This activity was not a field trip because the choice of a concert and venue was up to the students, and they could go any time prior to the report due date. We offered, however, a great deal on group-discount tickets, thanks to the IRA support.

Activity Related to Course:

The Physics of Music course is designed to give a useful and fun understanding of music and sound for general education, physics and performing arts students interested in music and speech. The format includes lectures, demonstrations, and hands-on activities. After covering the basic foundations of sounds and music, the students investigate each musical instrument group, including percussion, plucked strings, bowed strings, air pipes, reed instruments, horns and the human voice. To enhance the course, we wanted to expose students to a professional orchestra's live performance.

This project directly supports the Physics of Music course, by expanding the class presentation on instruments to an exciting live performance. The many instruments, which they studied individually, are integrated into one unit. Many of the instruments, like the violin, trumpet, flute, clarinet, oboe and timpani, had been covered in class but many other instruments were only mentioned, like the cello, double bass, bassoon, piccolo, French horn, trombone, cymbal, and many percussion instruments. The students also saw the conductor Boris Brott lead the orchestra through his direction. Many commented on Maestro Boris Brott's animated conducting.



Learned from Activity:

After the concert, the students wrote a paper for course credit about the concert. The reports were to evaluate the student interest and the extent of understanding shown for the physics of the instruments and the sounds observed. The paper had to address these four points:

- What musical instruments were particularly interesting and why?
- What new musical instruments did you notice?
- Describe your impressions of the combined sounds of the symphony.
- What did you like about a live symphony performance? What did you learn from it?

All but two student thought the symphony performance was outstanding (both thought it was interesting but boring). They were amazed by the fullness of the sounds and the complexity of the playing. They said the concert was an excellent way to culminate the class.

Seeing a professional orchestra was a wonderful experience for our students. The New West Symphony has been trying for years to establish a relationship with the university and they were very excited to that our Physics of Music class included a

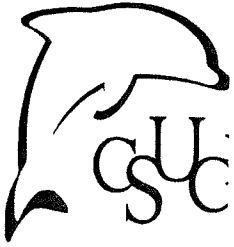
symphonic performance in our curriculum. It also seemed appropriate that our music class attended the same concert where our CI art students presented images to accompany the music.

Accounting:

Sandy Galin of the NWS office offered \$10 group tickets, which is much less than the normal single-seat ticket prices of \$78. The students originally had to pay \$10 per ticket, but after the symphony I reimbursed them the full cost. I found that student do not show up if they don't have any "skin in the game". Students did pay for their guests. Students also paid for their own transportation and parking.

I reimbursed the full cost because we did not have the full number of 24 students per semester that we had planned for. The course was originally dropped from the spring semester and then added at the last minute. We also did not use the full funding from our guest artist IRA allocation and had \$50 remaining in that IRA-supported project. The IRA funding of \$240 for the New West Symphony plus the \$50 from the guest artist covered the total cost of \$270 for the semester.

Number of tickets for students in class	27	(does not include guests)
Cost at \$10 per ticket	\$270	



Instructionally Related Activities Funds (IRA)
2010-2011 Academic Year

Budget Request & Program Set-Up

Date: August 24, 2010
To: Accounting & Budget
From: Mary Devins
Subject: IRA Funding Transfer Request # 350

IRA Approved Campus contact: Jerry Clifford
Faculty Support Coordinator: Mary Devins

Program Set-Up	
Name of Program (limit to 30 characters)	New West Symphony Orchestra

IRA Funding Source				
Account	Fund	Dept	Program	Monetary Amount
660003	TK910	785	90302	\$240

Fiscal Year for Budgeting and Spending:	2010/2011
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*** Program codes will become inactive at the end of the Budgeted/Spending Fiscal Year ***

Mary Devins 8-24-2010
IRA Committee Representative Date

Gray Cole 8/25/10
Accounting Department Date

Attached: 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:	PS Finance Chartfield	Notification	Update PubChartfield
Budget Set-Up:	Budget Journal Entry	Journal Entry #	Completed Date