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 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:
Spring 2011 Science Symposium. Hurricanes, Po Boys, and Tar Balls: The Role of Interdisciplinary Science in Addressing Ecological Disturbance in the Gulf of Mexico
Project Sponsor/Staff (Name/Phone): Dr. Don Rodriguez ESRM,
Dr. Amy Denton Biology,
Dr. Simone Aloisio Chemistry

Activity/Event Date(s):
Date Funding Needed By: January 2011
**Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2010 and for Spring Requests early January 2011.

Please check if any of the following apply to your IRA:
☐ Equipment Purchase ☐ Field Trip
☐ Event ☐ Participant data collection for public dissemination, i.e. interviews/surveys that result is a journal/poster session/newsletter
☐ IT Requirements ☐ Risk Management Consultation
☐ International Travel ☐ Infrastructure/Remodel
☐ Space/OPC Requirements ☐ Late Submission
☐ Other

Previously Funded: ☐YES ☐NO
Yes, Request # 290

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: ESRM 767

Date of Submission: 11/1/10

Amount Requested: $7500
(Should match item 2. E. on page 4)
Estimated Number of Students Participating:

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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 Environmental Science and Resource Management Program, the Biology Program, and the Chemistry Program are jointly sponsoring the Spring 2011 Science Symposium entitled: Hurricanes, Po Boys, and Tar Balls: The role of interdisciplinary science in addressing ecological disturbance in the Gulf of Mexico. Recent ecological disturbances in the Gulf such as hurricanes Katrina, Rita, and Ike and the Deepwater Horizon oil spill have posed unique challenges for scientists engaged in understanding the consequences of these ecological catastrophes. The magnitude of these storms and pollution events requires an interdisciplinary approach to science if we are to adequately address the social, economic, and ecological implications of these disturbances.

   The purpose of this symposium is to educate the campus community on the magnitude of impact associated with these events and the “geography of vulnerability” of people in the Gulf region. These disasters destroyed not only the economic well being of the region but the “illusion of vigilance” many held regarding our disaster preparedness policies involving catastrophic events. This science seminar will highlight the importance of interdisciplinary perspectives in science that allow address these challenges in the 21st century.

   The science symposium has been offered on campus since 2005. This is an excellent tradition that promotes interdisciplinary science on our campus. Such activities are in complete support of our university mission and strengthen our community engagement while building our reputation in the region.

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 symposium will be a required or elective component for a number of courses offered in ESRM, Biology, and Chemistry. ESRM 100 (Introduction to Environmental Science and Resource Management, ESRM/BIOL 313 Conservation Biology, ESRM 329 Environmental Law and Policy, ESRM 463 Water Resource Management, BIOL 100 Biology of the Living World, BIOL 200 Principles of Organismal and Population Biology, BIOL 335 The Biosphere, and BIOL 433 Ecology and the Environment,
CHEM 121 General Chemistry, CHEM 301 Environmental Chemistry (atmosphere and climate), and CHEM 302 (water and soil) are all courses that would benefit from this symposium.

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.**

   An assessment of subject matter knowledge will be administered to all students participating in the symposium to determine fluency with the topics presented and to verify attendance for credit.

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

   The requested funds are necessary to invite well known individual speakers that are listed on the attached program page. $1000 per individual is requested to cover the honorarium and travel expenses for each speaker. Six individuals will make up the list of speakers. Additional funds are necessary to advertise the series to the local community, including newspapers, broadcast media, and other PR venues.

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

   IRA funding will support the event. ESRM, Biology, and Chemistry faculty members, staff, and student assistants will support the event with time and work as needed. Some supplies and direct staff support will be provided by ESRM.

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**

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ACTIVITY BUDGET FOR 2010-2011

1. Operating Expense Budget
   A. Supplies
   B. Vendor Printing $800 (includes printing supplies)
   C. In-State Travel
   D. Out-of-State Travel $1,500
   E. Equipment Rental
   F. Equipment Purchase
   G. Contracts/Independent Contractors
   H. Honorarium $5,000 (includes travel)

1. OPC Chargeback
   J. Copier Chargeback
   K. Other (Please Specify)

TOTAL Expenses $7,500

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)

Total Revenue
E. Total Requested from IRA

$7,500