



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

Application
Instructionally Related Activities Funds Request
2012-2013 Academic Year
DEADLINE: Fall and Academic Year 3/31/12
Spring 2012 deadline is 10/31/12

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: Deep Sea and Related Seminar Speakers for ESRM Seminars
Project Sponsor/Staff (Name/Phone): Sean Anderson (staff = Mary Devins @ x 3253)
Activity/Event Date(s): Nov 2012 through April 2013
Date Funding Needed By: September 2013

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

- | | |
|---|---|
| <input type="checkbox"/> Equipment Purchase | <input type="checkbox"/> Field Trip |
| X 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 |
| X Space/OPC Requirements | |
| <input type="checkbox"/> Infrastructure/Remodel | |
| <input type="checkbox"/> Other _____ | |

Previously Funded: X YES NO Yes, Request # _____

Does your proposal require IRB (Institutional Review Board) approval: Yes No

Assessment submitted for previously Funded Activity: YES NO (this year's seminars not yet completed, will submit upon completion of the series)

Academic Program or Center Name and Budget Code: ESRM 765-00035

Date of Submission: 4/1/12

Amount Requested: ~~\$6,000~~ **\$6,100**
(Should match item 2. E. on page 4)

Estimated Number of Students Participating: Seminars vary. Open to all campus community. This semester attendance for EACH seminar has ranged from 22 to 85.

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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-For a large event, consultation with the events coordinator is recommended.

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.
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.
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.**
4. **Activity Budget.** Please enclose a complete detailed budget of the entire Activity **bold** specific items of requested IRA funding. (Page 4)
5. **Sources of Activity Support.** Please list the other sources of funding, and additional support for the activity.
7. **Acknowledgment.** Project Sponsor and Program Chair acknowledge that they have reviewed and accepted the Conditions and Considerations detailed on page 2.

Sean Anderson

4/2/12

Date

Don Rodriguez

4/2/12

Date

Karen Carey

4/5/10

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	seminar flyers = \$100
C. In-State Travel	_____
D. Out-of-State Travel	_____
E. Equipment Rental	_____
F. Equipment Purchase	_____
G. Contracts/Independent Contractors	_____
H. Honorarium	\$6,000
I. OPC Chargeback	_____
J. Copier Chargeback	_____
K. Other (Please Specify)	_____
TOTAL Expenses	\$6,100

2. Revenue

A. Course Fees	_____
B. Ticket Sales	_____
C. Out of Pocket Student Fees (exclusive of course fees)	_____
Additional Sources of funding	_____
Total Revenue	_____
D. Total Requested from IRA	\$6,100

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Explanation/Consultation

Brief Program Description

We are seeking funding for our annual ESRM seminar series. This series will bring speakers to ESRM classrooms and to campus-wide venues to discuss various aspects of Environmental Science, Resource Management, and related topics. The actual seminars are solidified in early/mid fall, but we are interested in exploring issues related to the deep sea with next year's series. By definition, many of these speakers are higher profile than our typical speakers and so require IRA assistance for honoraria. Two speakers in particular (film maker James Cameron and former Navy diver Don Walsh) require a significant honoraria.

We propose to bring 8 speakers to campus over the course of several months. Invited speakers include:

James Cameron, academy award winning film-maker and deep sea explorer
Mr. Cameron has been nominated for six academy awards and won three. His films include *Avatar*, *Titanic*, *Aliens*, and *The Abyss*. He has long fostered a love of exploration and is both an advisor to NASA's Mars missions and a National Geographic explorer. In the time between making *Titanic* and *Avatar*, Cameron spent several years creating many documentary films (specifically underwater documentaries) and co-developed the digital 3D Fusion Camera System. Described by a biographer as part-scientist and part-artist. Cameron has also contributed to underwater filming and remote vehicle technologies. On March 26, 2012, Cameron reached the bottom of the Mariana Trench, the deepest part of the ocean, in the *Deepsea Challenger* submersible.

James Walsh, former Navy officer and deep sea explorer
Mr. Walsh is an oceanographer, explorer and marine policy specialist. He and Jacques Piccard were aboard the bathyscaphe *Trieste* when it made a record maximum descent into the Challenger Deep section of the Mariana Trench on January 23, 1960, the deepest point of the world's oceans. The depth was measured at 35,813 feet (10,916 m), but later and more accurate measurements have measured it at 35,798 feet (10,911 m). Since 1976, Mr. Walsh has operated a deep sea marine consulting business and has advised James Cameron's *Deepsea Challenger* expedition.

Bruce Robison, Chief Scientist Monterey Bay Aquarium Research Institute
Dr. Robison obtained his PhD from UCSB where he also conducted postdoctoral research. He then joined the just founded Monterey Bay Aquarium Research Institute in Moss Landing, California and has been with them for nearly 30 years. He specializes in midwater and deepsea zooplankton and nekton and has contributed to the invention of many ROV technologies and described more than 50 new species of animals. Dr.

Robison is a potential collaborator with me on various BP-related oil spill studies currently planned for 2013 at the Institute.

Several others (TBD).

Relation to IRA Program to Course Offerings.

These speakers will be of interest to a wide variety of campus courses, but students in the following courses will benefit most directly:

- ESRM 100: Intro to Environmental Studies (enrollment ~120)
- ESRM 462: Coastal and Marine Management (enrollment ~20)
- ESRM/BIOL 313: Conservation Biology (enrollment ~26)
- ESRM/HIST 342: Environmental History (enrollment ~30)
- BIOL 312: Marine Biology (enrollment ~30)
- ESRM 329: Environmental Law and Policy (enrollment ~24)
- ANTH 310: World Archaeology (enrollment ~18)

Program Assessment

As these seminars are not tied to any single course, this will be an informal assessment, based on attendance and comments in individual course evaluations.

Justification

With the recent return to the Challenger Deep by James Cameron in March of 2012, the commercial harvesting of heavy metals from deep sea hydrothermal vents in Papua New Guinea in 2013, and the ever-deeper oil and gas wells being drilled across the world's oceans, a better understanding of the goings on in the deep sea is critical for our students interested in pursuing marine-related management careers. This seminar will greatly augment the typical classroom-based learning about the sea currently offered in ESRM and other departments across campus.

Attachments

An example seminar series from this Spring of 2012 is attached.

