



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

Application
Instructionally Related Activities Funds Request
Spring 2013

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: Mathematics Seminars

Project Sponsor/Staff: Jesse Elliott, x2768; Support Personnel: Nitzia Castaniero, x8815

Activity/Event Date(s): weekly events throughout Spring 2013

Date: Emergency Funding Needed for: Spring 2013

***Please Note that for Fall Requests the earliest that you will be notified of funding availability will be early June 2012 and for Spring Requests early January 2013.*

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

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

Previously Funded: YES Yes, Request # #180, #306

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: Mathematics, 750

Date of Submission: Nov 28, 2012

Amount Requested: \$3025
 (Should match item 2. E. on page 4)

Estimated Number of Students Participating: ~400, counting repeated participation;
 average attendance ranges from 20 – 30 with highs up to 60

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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.

“Mathematics Seminar” consists of a weekly series of invited lectures on contemporary mathematics and applications of mathematics to other areas of study and life. Presenters include CSUCI students and faculty as well as a large number of invited speakers per year. Topics are chosen from mathematics education, mathematics research and interdisciplinary applications of mathematics. Recent presentation topics have included topics as diverse as the use of art projects to further students’ learning of high school algebra, applications of mathematics to exercise science, engineering for the other 90% (that part of the world’s population making less than \$4 per day), two research studies on a) using art, and b) using poetry to enhance students’ learning in mathematics classes, and many others. Seminars are publicized and open to the entire campus and to the local community. Between 20 and 60 students participate in each seminar, which translates to roughly 400 students each semester; faculty and community participants typically attend as well. We request emergency funds to be able to cover costs (lodging, travel, etc.) and pay honoraria to our invited speakers during Fall’12. Funds were not applied for last year because of a transition in coordination within the mathematics program.

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.

Students taking MATH 499 are the primary beneficiaries of these funds. However, other students with an interest in mathematics and in the applications of mathematics to other fields (e.g. to other sciences, including social sciences) also attend as interest dictates. In addition, students in MATH 492, MATH 497, UNIV 498, and LS 492 attend some seminars and use the seminar for the capstone presentations.

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.**

Mathematics Seminar uses attendance at seminars and student evaluations for MATH 499, MATH 492, MATH 497, and UNIV 498, and for LS 492 as appropriate to determine whether the program has attained its educational goals. An ongoing CI Learn discussion board site is also used to receive student feedback on various presenters’ topics and delivery. Finally, we use the feedback obtained from distinguished presenters to assess whether we have been good hosts.

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

We use a range of speakers: some travel from out-of-state or out-of-country, others arrive from universities and companies within driving distance, and some are part of the CI community. We request these funds to cover the travel costs of those driving from within Southern California, some part of the travel costs of speakers arriving from farther away, and honoraria for our distinguished speakers. Note that tenure-track and tenured faculty speaking in seminar do not receive honoraria.

TOTAL = \$4200 for speakers' honoraria and related costs (travel/lodging/etc) – estimate 16 speakers during Spring 2013.

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

Some speakers donate their time and effort to the advantage of our students. CI faculty conduct the behind-the-scenes work of making the arrangements necessary to provide for a good experience for our distinguished visitors. CI faculty often buy speakers' dinners out of their own pockets, and do the same to provide refreshments for all seminar attendees. Students sometimes volunteer to provide refreshments. Other institutions and associations (e.g. UCSB, CLU, the Southern California-Nevada Section of the Mathematical Association of America) engage in cost-sharing (particularly travel costs) when we share speakers who make one trip to Southern California to speak at multiple events.

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

Jesse Elliott Sept 4, 2012

Project Sponsor Date

Program Chair/Director Date

Dean of the Faculty Date

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ACTIVITY BUDGET FOR Spring 2013

1. Operating Expense Budget

A. Supplies	<u>*allocated from program budget (~\$100)</u>
B. Vendor Printing	_____
C. In-State Travel	<u>3 at \$150 = \$750</u>
D. Out-of-State Travel	<u>3 at \$650 = \$1950</u>
E. Equipment Rental	<u>none</u>
F. Equipment Purchase	<u>none</u>
G. Contracts/Independent Contractors	<u>none</u>
H. Honorarium	<u>10 at \$150 = \$1500</u>
I. OPC Chargeback	<u>none</u>
J. Copier Chargeback	<u>*allocated from program budget (~\$75)</u>
K. Other (Please Specify)	_____

TOTAL \$4200

2. Revenue

A. Course Fees	<u>not applicable</u>
B. Ticket Sales	<u>None – so as to encourage participation</u>
C. Out of Pocket Student Fees (exclusive of course fees)	<u>None – so as to encourage participation</u>
D. Additional Sources of Funding (Please specify And indicate source)	<u>~\$125 from program budget</u> <u>cost-sharing (see note below) ~\$750</u>

Total Revenue \$875

E. Total Requested from IRA \$3325

Note re matching budget: We attempt to minimize costs by inviting speakers who are already traveling to Southern California for other reasons (e.g. to speak at a conference)