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Application Summary

Competition Details

Competition Title:	IRA Applications for 2021-2022
Category:	Internal Funding
Award Cycle:	2021-2022
Submission Deadline:	11/12/2021 11:59 PM

Application Information

Submitted By:	Ivona Grzegorczyk
Appplication ID:	918
Application Title:	MATHEMATICS SPEAKER SERIES
Date Submitted:	04/15/2021 3:29 PM

Personal Details

Applicant First Name:	Ivona
Applicant Last Name:	Grzegorczyk
Applicant Department:	MATHEMATICS
Email Address:	ivona.grze@csuci.edu
Phone Number:	(805) 437-8868
Additional Applicant Name:	Alona Kryshchenko
Additional Applicant Email:	alona.kryshchenko@csuci.edu
Additonal Applicant Department:	MATHEMATICS

Application Details

Proposal Title

MATHEMATICS SPEAKER SERIES

Total Amount Request from IRA

4,200

Brief Activity Description

"Mathematics Undergraduate Senior Seminar" consists of weekly series of invited lectures on contemporary mathematics and applications of mathematics to other areas of study and life. Presenters include CI students and faculty as well as a large number of invited speakers per year. We invite speakers who have chosen mathematics as an educational discipline and have made practical use of that education. Speakers have shared their work with mathematics education, mathematics research, and interdisciplinary applications of mathematics. In past 4 semesters, presentation topics have included topics as diverse as the Higgs Boson at CERN, a discussion of the origins and significance of projective geometry and great exercises to do in middle school math classes, Director of the Graduate Program Dr. Garcia spoke to our students about Pathways to Careers in the academia and advance positions. Seminars are publicized and open to the entire campus and to the local community. Typically between 30 and 45 students participate in each seminar (with highs near 100), which translates to roughly 500 students each semester; faculty and community participants typically attend as well. We request funds to be able to cover costs (lodging, travel, etc.) and pay honoraria to our invited speakers during the Fall 2021 and Spring 2022.

Activity or Event Date
09/13/2021

List all classes that relate to proposal
MATH 499 and computational STEM and Education courses

Learning Outcomes & Relation to Course Offering
Students enrolled in MATH 499 are the primary beneficiaries of these funds, as they alone are required to attend the weekly seminars. However, all CI students are invited to attend. Students with an interest in mathematics and in the applications of mathematics to other fields (e.g. to other sciences, including social sciences) attend as interest dictates. Many instructors provide extra credit for students that attend. In addition, students in MATH 492, MATH 497, UNIV 498, and LS 492 attend and even give presentations at some seminars. In particular, we use the seminar for capstone presentations, which typically occur in the last 1 to 3 weeks of the semester.

Learning outcomes: students will be able to

- Reflect on current issues in Mathematics and its applications
- Apply their knowledge of Mathematics to discuss and evaluate educational issues, mathematical standards and curricula.
- Apply their knowledge of Mathematics to current issues in the field.
- Present their research in oral and written form

Is this activity off campus ?
No

Off Campus - Describe benefit brought back to campus
Local community is invited to attend the seminars and very often local sicentist and enginners do.

MATHEMATIVS SPEAKER SERIES

PI Activis Title

Name of Sponsor

Ivona Grzegorczyk, Alona Kryshchenko

B14Fall 201-Spring 2022

Operating Expenses Budget	Comments/Notes
Honoraria (Price set by CI)	20 speakes $150 per speaker
Accomodation/travel for out of local area speakers	8 speakers x $150
TOTALI	

TOTAL REQUESTED

$3,000

Grand Total
$3,000
1200
42,000