

Instructionally Related Activities Funds Request Spring 2019

▼ Submitter

Submitter Name

Clinton Harper

Submitter Email

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▼ 1. Basic Details

Activity Title

Astronomy Viewing Experience for CI Students and the Public

Activity/Event Date

ongoing

Date Funding Needed By

ASAP

Previously Funded?

- ☒ No
☐ Yes

Additional Proposers

Clint D. Harper, Ph.D. coordinator of Applied Physics & Astronomy
Ron Wallingford, CI lecturer in physics & astronomy, Director of the Charles Temple Observatory

Academic Program(s)/Center Name(s)

Applied Physics

Estimated total Course Fee revenue

0

Amount Requested from IRA

\$4,700

Estimated Number of Students Participating

100/semester on an ongoing basis

▼ 2. Brief Activity Description

Describe the activity and its relationships to the educational objectives of the students' program or major

Brief Activity Description

Over the past several years CI has had a number of telescopes and associated equipment donated to our program. Currently the equipment is located in Sierra Hall room 2131 where it is occasionally used in the ASTR/PHYS 112 "Introduction to Observational Astronomy" course. Our proposal is to purchase an approximately 20 ft. long steel shipping container that will be located adjacent to the campus soccer field. Currently this is one of the best areas on campus for reasonably dark, unobstructed night skies. The telescopes and related equipment would be securely housed in the locked shipping container. This would facilitate greater use of the equipment by CI astronomy students as well as allowing for public "Star Parties" similar to those held at the Charles Temple Observatory on the campus of Moorpark College. This is a one-time investment in IRA funds that would have a continuing benefit to CI students and the surrounding community.

▼ 3. Learning Outcomes and Relation of 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.

1. Please list all classes that directly relate to the proposed activity.
2. For each class listed, describe in detail how exactly the IRA activity will be integrated with the class's activities, how often/ on what expected date(s), and to what extent

Learning Outcomes and Relation of IRA to Course Offerings

ASTR/PHYS 112 "Introduction to Observational Astronomy"

This proposal will provide additional viewing opportunities for students in the ASTR/PHYS 112 laboratory course. Currently the course relies heavily on planetarium software ("Starry Night"), rather than actual viewing experience. This limitation is due to the difficulty in moving heavy telescopes and associated equipment from the second floor of Sierra Hall to the parking lot area south of the CI soccer field.

ASTR/BIOL/PHYS 110 "Life in the Universe"

ASTR/PHYS 105 "Introduction to the Solar System"

ASTR/PHYS107 "The Stars and Beyond"

Student enrolled in the astronomy lecture courses will have the opportunity to attend public "Star Parties" for extra credit. At these events students, and the public, will be able to view the sky with telescopes and large binoculars and participate in a presentation on how to navigate the night sky and identify various astronomical objects.

▼ 4. Activity Assessment

Describe the assessment process and measures that the program will use to determine if it has attained its educational goals.

Please note that a report will be due at the end of the semester.

Description of Assessment Process

Faculty will keep a record of the dates/times and number of participants at each "Star Party" event. Participants, both CI students and members of the public, will be asked to fill out a simple questionnaire indicating their reaction to the event, what they learned, and suggesting any changes. Students enrolled in the laboratory course (ASTR/PHYS 112) will be

surveyed at the end of the semester regarding their use of the facility.

▼ 5. Activity Budget

Please enclose a complete detailed budget of the entire activity. Indicate specific items that you are requesting IRA to fund.

You should use either the Regular Activity budget (for events on campus) or -- if your event involves any travel-- you MUST use the IRA Travel Budget Form.

You can download both of the IRA Excel Budget sheets at <http://www.csuci.edu/ira/application.htm>.

Activity Budget

[13-14-ira-regular-budget.xlsx](#)

▼ 6. International Trips

If your event is an international trip submitted through the Center for International Affairs, you must include copies of:

1. Complete Center for International Affairs/ UNIV 392 proposal
2. The program budget as submitted to the Center for International Affairs (to ensure congruency between the two budgets)
3. as well as a copy of the course syllabus

Center for International Affairs Budget

Copy of Center for International Affairs Proposal

Course Syllabus

Certification

☐ I certify that students attending this trip are not previous or repeat attendees of a prior International UNIV 392 Trip

▼ 7. Sources of Activity Support

Please list the other sources of funding (including course fees), and exact expected amounts of additional support for the activity. Please indicate if there are no other sources of funding

Other Sources of Funding

Math & Applied Physics Department - \$1,000 (site preparation)
Private donation of equipment and materials - \$500.00 (interior solar power lighting system)

▼ 8. Promoting Participation

What is your intended audience and how do you intend to market this to your students?

CI student enrolled in the ASTR/PHYS "Introduction to Observational Astronomy" course - mandatory laboratory sessions.

Students enrolled in astronomy lecture course (ASTR/PHYS 105, 107, ASTR/BIOL/PHYS 110) - offered as extra credit for attendance at "Star Parties." Announcements of the events will be made on Canvas and during lecture.

Members of the local community - Announcement of the "Star Parties" will be coordinated with the university's Public Information Officer.

If this is an event that is off campus, how do you plan to bring back the benefit of this event to campus?

N/A The events will be held at night at the CI soccer field.

▼ 9. Sustainability

If appropriate, indicate how the content or delivery of the project promotes sustainability at CI.

Sustainability

The proposed astronomical equipment storage facility will have photovoltaic powered lighting and demonstrate the use of renewable energy resources.

Events at the facility will emphasize the need for local, state, and national "dark skies" initiatives to minimize light pollution using the best available outdoor lighting technologies.

▼ 10. Approval and Acknowledgement

Program Chair/Director

Grzegorzcyk, Ivona

Dean

Adler, Mary

Conditions and Considerations

☐ **Artist/Performer/Speaker Fees & Honoraria:** On the Activity Budget, please indicate whether the vendor's price was set by you/CI Representative, or is a fee that was set by the vendor.

☐ **Large Event:** For a large event, consultation with the campus Event Coordinator's office at (805)437-8548 is required.

☐ **Field Trip:** Sponsor must comply with all policies found at:

<http://www.csuci.edu/rm/programs/academic-field-trip-guidelines-and-forms.htm>. If approved, Identified Risks of Participation and Release Agreement must be submitted for each student to the Program Office (Public Folders-HR Forms).

☐ **Involves Human Subject Data Collection for Public Dissemination -Requires IRB Approval :** If Project Sponsor proposes to conduct research with human participants, the proposal may be subject to Institutional Review Board for the Protection of Human Subjects (IRB) review. All research that involves any type of interaction with human subjects - from simple surveys to complex biomedical procedures - must be reviewed and approved by the IRB prior to starting the research. Data for "Public Dissemination" indicates interviews/surveys that result in a journal/poster session/newsletter, etc.

☐ **IT Requirements:** If your activity has IT requirements, coordination with and approval from IT Administration is required.

☐ **International Travel:** Requires International Travel application be submitted to Center for International Affairs. Include copy of CIA budget and course syllabus in your IRA application. Must utilize the University's Foreign Travel Insurance Program (FTIP) and follow all International Travel Guidelines listed at: <http://www.csuci.edu/rm/insurance/foreign-travel.htm>

☐ **Risk Management Consultation:** Events that involve or engage students directly with a performer or artist (i.e. in a workshop or other than as a passive audience member) will require consultation with Risk Management. Requires proof of correspondence with Risk Management.

☐

✓ **Space/Facilities Services Requirements:** Consultation and coordination with Facilities Services is required.

Acknowledgement

☒ I acknowledge that I have reviewed and accepted the Conditions and Considerations herein. Please check off boxes as appropriate.

▼ Chair Review

Recommendation

- ☒ I recommend approval of the IRA Funds Request described on this page
☐ I DO NOT recommend approval of the IRA Funds Request described on this page

Comments

This proposal will significantly improve student experience.

 Ivona Grzegorzcyk Oct 1 2018

▼ Dean Review

Recommendation

- ☒ I recommend approval of the IRA Funds Request described on this page
☐ I DO NOT recommend approval of the IRA Funds Request described on this page

Comments

Although this is a worthy project that will serve students well, equipment purchases are "generally discouraged" by IRA because it funds projects or activities. This project would seem to be more appropriate for MSFT funding. However, I am sending it on for review in the event that there is sufficient funding to consider it.

 Marion Adler Oct 9 2018