

**Division of Academic Affairs
Technology Fee – Project Proposal
2014**

Proposal Deadline: Tuesday, January 21, 2014

Project Proposal Type

Instructional Technology Enhancement Project (ITEP)

Focused projects proposed by an individual or small team with the intention of exploring new applications of instructional technology. ITEPs will typically be led by a faculty “principal investigator.” ITEPs are time-limited projects (up to two years in length) and allocations of Technology Fee funds to these projects are non-recurring.

Project Title

Lighting Research Laboratory

Total Amount of Funding Requested

\$34,000

Primary Project Coordinator

Charles Houghton

Department of Theatre

Division of Academic Affairs
Instructional Technology Enhancement Project (ITEP) Proposals Template
2014

ITEP proposals must provide the following information:

1. Project description.

This project is to acquire lighting fixtures for the CFPA Lighting Research Laboratory. This lab was put together in the fall of 2011 as a joint venture with Theatre and Art. The lab was cobbled together with inexpensive LED fixtures. These fixtures have done a passable job while we have waited for funding for suitable equipment. We are seeking funding for lighting fixtures that have color corrected LED's, ability to change color, project texture, and have a good color rendering ability.

2. Description of project alignment with UWF Strategic Plan.

Enhanced Student Access, Progression, and Learning and Development

Students will access to equipment to learn how to sculpt with light in wide range of mediums for varied art forms. The equipment in the lab will be state of the art and give them experiences that will enhance their abilities when working in the profession after they have graduated.

Distinctive Teaching, Scholarship, Research, and Professional Contributions

The light lab will be an exciting teaching tool and give the students a unique ability to research design ideas before going into the theatre or into the studio. This lab will be the most advance light lab in the region. The lab could be used to demonstrate LED lighting to designers in the region.

3. Description of benefits provided:

a) Ways in which student access to technology will be enhanced.

b) How the student experience will be enhanced.

(a and b) Students in Art and Theatre will be able to have hands on interaction with lighting sculptures and people in a controlled environment. Specifically for theatre; lighting, scenic, and costume designers will be able to go into the lab to see the effects color and light have on the figure and their effects on pigment and fabric. Lighting designers will do projects designed to build their understanding of composition and the use of light in the theatre. The more realistic the lab can duplicate this environment the better the students will be able to translate what they learn in the lab to what they can do on stage.

c) How assessment will be conducted.

Assessment of the new equipment will be through the student experience using the lab in coursework and how well they are able to take the concepts from the design class and apply them to a realized production.

d) Which and how many students will be impacted.

Art and Theatre students will be impacted by this enhancement of the lab. The number of students is limited on a per semester basis, but the long term will far out weigh the number per semester. The usual amount of students is 10 for theatre and approximately 20 for art.

e) How students with special needs or disabilities would be helped.

Not directly applicable to this lab.

f) How training of students and faculty in the use of technology would be enhanced.

Currently projects are very difficult to achieve a realistic outcome that can be easily translated to real world lighting instruments. The goal of this project is to get the faculty and students a realistic environment to work within.

4. How will success be measured? Provide metrics.

In an environment such as this it is very difficult to measure specific outcomes. With lighting students, the main outcome I would expect to see is a better understanding of color theory and the ability to translate that to the stage. Currently with the students using the current equipment there is a large amount of translating that I have to do to explain to the student how they would be able to replicate what they have done in the lab on the stage. In a lab with better equipment the translation will be far more direct. I have worked in such labs at previous institutions with tremendous success and have seen first hand what the lab can teach students.

5. Description of resources for the project and projected ongoing resource needs (total cost of ownership for the life of the project) including:

- a) Any hardware requirements (which should comply with standards established by the ITPAC (Information Technology Planning and Advisory Committee).

None.

- b) Any software requirements (which should comply with standards established by the ITPAC (Information Technology Planning and Advisory Committee).

None.

- c) Any personnel costs – only OPS and other time-limited appointments, non-recurring.

None.

Item	Amount	Total
ETC Source 4 LED Ellipsoidal (Warm White) x 8	\$1,750 each	\$14,000
ETC Source 4 LED PAR's (Color Changing) x 10	\$2,000 each	\$20,000
Total Cost		\$34,000

6. Provide the proposed timeline for the project with major milestones and project end dates.

Units purchased in spring/summer 2014

Lab will be up and working for fall 2014

Student success in the form of work in the lab will be evident by the end of the fall term

7. Include a plan for sustainability of the project beyond the initial project period if applicable.

The Lighting instruments being requested for the lab should have a life span of well more than 10 years. The LED lamps in the lighting instruments have a very long life and use very little electricity. The cost of maintenance should be quite minimal.

8. Provide any resource matching which might be provided by organizations with appropriate commitment authority documentation.

The Theatre Department has already invested in pipes, cable, and a control console. The Art Department has invested the space.

9. Indicate which individual or group will implement the project (to help determine any additional costs and resource restraints).

Departments of Theatre and Art.

10. Indicate a lead person (“Principal Investigator”) for the project for all communications and overall responsibility for reporting and fund utilization.

Charles Houghton, Chair Department of Theatre. Mr. Houghton is also the key instructor using the lab along with his colleagues in Art.

11. Project proposals should be succinct and submitted to the Technology Fee Committee by the deadline with a notice of submission to the chair and the dean or appropriately designated leadership in the unit (Center Director, etc.).