

University Technology Fee Advisory Board (UTFAB) Preliminary Project Proposal

Fill out and return via email by March 31, 2009 @ 4PM to

Jason.Huitt@Colostate.edu

If accepted, you will be asked to give a formal presentational to the UTFAB

1. Title of Proposal: Magellan Design Studios
2. Submitting unit
 - a. Name: Engineering Network Services
 - b. Department number: 1301
3. Submitting individual
 - a. Name: Dan Herrick
 - b. Department name and number: Engineering Network Services / 1301
 - c. Telephone number: 970-491-3131
 - d. E-mail address: dan.herrick@colostate.edu
4. Total 1-year request: \$24,000

5. Description of the project (limit to ½ page):

The Lockheed-Martin Magellan Design Studios are a collaborative group workspace used daily by upper-level Engineering students, typically for Senior Design projects. The Design Studios are also used for small classes, course laboratories, and special seminars. Each design studio includes six high-end computer workstations, group meeting and presentation space, a projector and a Smart Board for presentations and collaboration. The room is also equipped with three large capacity printers and two plotters. Much of the equipment in the room was funded by a grant from Lockheed-Martin several years ago. The computers are funded by the Engineering Student Technology Committee (ESTC) but the projectors and Smart Boards are aging and need to be replaced with newer models.

The scope of this project is limited to funding for the six projectors and six Smart Boards only.

6. Approximate schedule for the project – UTFAB Bylaws require that all proposals include a 3-year project plan. Please describe the timeline for your project, and address sustainability (limit to ½ page):

First year: Equipment will be installed by the Engineering computer labs support team, during a semester break (preferably summer) so there is little impact to ongoing classes or student projects.

Second & Third Year: Maintenance mode for equipment. If replacement equipment is needed, for example, replacement Smart Board pens or projector bulbs, the operating budget of the ESTC will be used to supply these items.

The expected lifespan of the projectors is 4 years, and the Smart Boards is 5 years.

7. Please provide a discussion of how the systems will be supported (limit to ¼ page):

Equipment will be installed and supported by the Engineering Network Services (ENS) computer labs support team, so no additional installation charges will be needed. ENS supports a number of similar equipment in other computer labs and classrooms, and thus has the expertise to support these units.

8. Please provide a discussion of how users will be supported (limit to ¼ page):

The ENS computer labs support team includes a number of student employees and a full-time staff Computer Lab Manager to support the equipment in the computer labs. In addition, ENS has a Help Desk to provide central computing support and dispatch technicians as necessary. Historically, problems associated with computer lab & classroom projection equipment are resolved quickly and are assigned a high priority by the Computer Lab Manager.

9. Please describe benefits to students, in accordance with UTFAB funding criteria (see Article VII of the UTFAB Bylaws (<http://utfab.colostate.edu/page/UTFAB-Bylaws.aspx>) :

This project will positively impact all Engineering students. The Magellan Design Studios are open 24 hours by card reader when the university is open. During normal daytime hours, utilization of design studios by students is 90% or more. When design studios are not reserved by a group or class, they are open to general use. Group project work is required and essential for Engineering students and this is the primary space available for Engineering group project work with the equipment (including software) needed to complete assignments.

10. UTFAB is required to submit budgets in accordance with Student Fee Review Board (SFRB) budget categories. Please provide a 1-year budget in the following SFRB categories.

I. Personnel

- i. Career staff (salary and benefits)
- ii. Graduate assistants (salary and benefits)
- iii. Non-student support (salary and benefits)
- iv. Student hourly (salary and benefits)
- v. Work study
- vi. Total personnel

II. Travel

III. Materials and supplies

IV. Other expenses

V. Utilities

VI. General and administrative costs

VII. Cost of sales (for resale)

VIII. Total request

Use the space below to describe and explain the above budget, including how the above budget fits in with the 3-year plan.

III. Materials and supplies.

Qty 6: Smart Board model 680. Approximate cost \$1600 each.

Qty 6: Smart Board wireless bluetooth connector. Cost \$200 each.

Qty 6: Projector. Approximate cost \$2200 each.

VIII. Total request

Total request is \$24,000.