

# Academic Resources and Computing Committee

## *Proposal for Funding*

Due Thursday, April 1, 2004 (4:30 p.m.)

**Project Title: Equipment Upgrade with Replacement of LCD Ceiling-mounted Projector in the Classroom**

**Project Director: Stephanie Bossenberger James**

**Department(s): Dental Hygiene**

**College(s): Dumke College of Health Professions**

**E-Mail: [bossenberger@weber.edu](mailto:bossenberger@weber.edu) Extension: 6451**

**Other Members of the Project Team:** (no other project members) this classroom is made available to the Nursing Program, Emergency Care & Rescue Program and others, as scheduled.

### **Instructions:**

1. Please complete each section in the space provided. The justification section should not exceed two single-spaced typed pages. (An addendum may be attached describing details of specific hardware and/or software that are requested with this proposal.)
2. You are required to obtain the signature of an ARCC representative for your college, indicating that she/he is familiar with the proposal, and can speak to it during funding deliberations.
3. Your department chair's signature is also required, indicating that she/he supports the proposal, and that the proposal is in keeping with departmental goals related to information technology and its applications to the academic mission of the institution. Your Chair's signature also indicates her/his commitment to help support the project financially if so indicated on the budget page.
4. Your dean's signature is also required, indicating that she/he has read and supports the project. Your dean's signature also indicates her/his commitment to help support the project financially if so indicated on the budget page.
5. Your college's computer committee must rank the proposal, and the committee chair's signature is required.
6. For certain projects an IT expert's signature is required. You must contact the appropriate individual if you are implementing a wireless network, multimedia classroom, software/hardware purchase that will require use of a campus server or work with online course software like WebCT Vista or ChiTester. You must give time before the deadline - the recommendation is 3 weeks - for that person to do an evaluation.
7. Submit one copy of the proposal, together with all relevant signatures, by 4:30 p.m., Thursday, April 1, 2004. NOTE: the ARCC no longer requires seventeen copies.
8. You must both email a soft copy and mail a hard copy of the proposal to the chair, David Ferro, MC 2401.

**ARCC Representative:**

I have read the proposal and discussed it with the Project Director.

\_\_\_\_\_  
ARCC Representative

Comments:

**Department Chair:**

The Department has reviewed this project within the context of overall information technology planning within the Department. If the budget page indicates financial support from the Department, I agree to commit those funds to this project.

\_\_\_\_\_  
Department Chair

Comments:

**College Dean:**

I have reviewed this project. If the budget page indicates financial support from the College, I agree to commit those funds to this project.

\_\_\_\_\_  
College Dean

Comments:

**College Computer Committee Chair:**

This proposed project has been reviewed and discussed by our college's computer committee. It is the consensus of the committee that this proposed project is consistent with information technology goals within the college. Furthermore, after ranking all of the proposals submitted by our college, we rank this proposal in priority as

\_\_\_\_\_ out of a total of \_\_\_\_\_ proposals submitted this year.\*

\*Note: Each proposal must be given a separate ranking; no two proposals may receive the same rank.

\_\_\_\_\_  
College Computer Committee Chair

Comments:

**IT Representative:**

For certain projects an IT expert's signature is required. You must contact the appropriate individual if you are implementing a

**WIRELESS NETWORK** (contact **Brook Chase** at [bhchase@weber.edu](mailto:bhchase@weber.edu) or x7192),

**MULTIMEDIA CLASSROOM** (contact **Bob King** at [rking@weber.edu](mailto:rking@weber.edu) or x6865),

**CERTAIN SOFTWARE/HARDWARE** purchases that will require use of a campus server or work with online course software like WebCT Vista or ChiTester (contact **Ted McGrath** at [tmcgrath@weber.edu](mailto:tmcgrath@weber.edu) or x7196).

I have read the proposal and discussed it with the Project Director.

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IT Representative (printed and signed)

Comments (including status):

# Justification

## **Abstract (project summary):**

The Department of Dental Hygiene needs to upgrade the LCD projection in the classroom room 480. The technological advances in projected imaging through minimal image distortion; ability to manipulate contrast and reduction in glare with improved sharpness of images has made new equipment necessary to improve teaching. The existing LCD projector was manufactured in 1996 and installed when the classroom was initially set up with technology (1995-96). The initial purchase of the LCD projector was made with program funds. The computer system has been upgraded during Fall 2003-04, also with the use of program funds.

## **Objectives and goals of this project:**

The objective of this project is to purchase an upgraded, new model of LCD projector for classroom use. Through other sources and with limited program funds, many other technology items for this classroom have been purchased.

Goals:

- ? Replace the current LCD projector with improved display technology.
- ? Enhance the classroom system of overhead projection via this equipment purchase; detailed, crisp computerized image projection, video images to enrich the learning environment, and increased understanding of concepts presented by the use of the best projection images available as an academic tool.

## **Identify specific courses and/or programs that will directly benefit from this project:**

(You may also want to describe how specific courses may be enhanced by this project.)

The equipment in MAH Room 480 classroom is used daily. This is the only classroom in the department that will accommodate a class size of 30 students. Dental sciences and dental hygiene theory courses are taught using technology-based presentations and Internet sources with overhead projection in this classroom. For example, one of the many uses of the overhead projection is in dental radiology class. To view the subtle differences in the images of the radiograph, the best available projector is needed. The current system lacks sharpness of the projected image. Currently, the radiographic images are viewed best if the projected image is kept small on the screen and then, the dilemma of all students being able to see from the back of the classroom is presented. This projection system will allow faculty to provide for visualization to a larger number of students, thereby increasing classroom efficiency.

The classroom is used for several Nursing program classes and the Emergency Care and Rescue program. With the high volume of use of this classroom and its technology, the need for enhanced technology is even more apparent.

**If applicable, describe how this project will help to increase faculty productivity or enhance competency in some area of information technology.**

Not applicable to this project

**Describe how the success of this project will be evaluated.**

This enhancement will support student learning. The rapid technological advances in the medical/dental fields have made this equipment an essential component of the learning environment. This projector will enhance and facilitate student and faculty presentations.

Faculty will model computer literacy through the development of multimedia within the classroom and laboratory courses and prepare the student for their own use of technology. Students will be required to utilize the equipment in their own course presentations.

Student satisfaction will be assessed through course evaluations that solicit feedback regarding technology enhancements in the classroom.

**Timeline:**

If funded, this project will be implemented as soon as the equipment is purchased, and then, immediately installed. The installation is anticipated prior to fall semester 2004-2005.

# Budget

Note: Please be as specific as possible regarding requested hardware, software, or other resources (you may include an addendum to describe the hardware). If funds are being committed from other resources, please so indicate.

| <b>Hardware:</b>   | <b>ARCC</b><br>(Requested) | <b>Department</b><br>(Committed) | <b>College</b><br>(Committed) | <b>Other</b><br>(Committed) |
|--|----------------------------|----------------------------------|-------------------------------|-----------------------------|
| Panasonic PT-L735U-Portable<br>2600 ANSI XGA LCD Projector | \$3474.88                  |                                  |                               |                             |
| Ceiling Mount F/PT – L735U                                 | \$ 147.00                  |                                  |                               |                             |
|  |                            |                                  |                               |                             |
|  |                            |                                  |                               |                             |
| <b>Hardware Subtotals:</b>                                 | \$3621.88                  |                                  |                               |                             |

| <b>Software:</b>           | <b>ARCC</b><br>(Requested) | <b>Department</b><br>(Committed) | <b>College</b><br>(Committed) | <b>Other</b><br>(Committed) |
|----------------------------|----------------------------|----------------------------------|-------------------------------|-----------------------------|
|                            |                            |                                  |                               |                             |
|                            |                            |                                  |                               |                             |
|                            |                            |                                  |                               |                             |
| <b>Software Subtotals:</b> | 0                          |                                  |                               |                             |

| <b>Other:</b>   | <b>ARCC</b><br>(Requested) | <b>Department</b><br>(Committed) | <b>College</b><br>(Committed) | <b>Other</b><br>(Committed) |
|---|----------------------------|----------------------------------|-------------------------------|-----------------------------|
| Equipment installation (WSU<br>Electronics Systems-James<br>Sather) | \$ 30.00                   |                                  |                               |                             |
|   |                            |                                  |                               |                             |
| <b>Other Subtotals:</b>   | \$3651.88                  |                                  |                               |                             |
| <b>Grand Totals:</b>  | \$3651.88                  |                                  |                               |                             |

**TOTAL FOR PROJECT:**     \$3651.88 (Sum of all columns)

## **Additional Resources**

**Please describe what other resources will be required to implement this project:**

(Additional resources may include needs such as Academic Computing technical support or hardware installation through Electronic Services.)

Installation of the LCD projector will be needed. The existing hardware will be removed and new equipment installed. All necessary electrical wiring is present.