Academic Resources and Computing Committee

Proposal for Funding

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

Project Title: Multimedia Refurbishment for Lind Lecture Hall 130

Project Director: Diego Bernal

Department(s):   Zoology

College(s):   Science

E-Mail: dbernal@weber.edu   **Extension: 6167**

Other Members of the Project Team: Robert Okazaki, Barb Trask

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 or x7192**),

MULTIMEDIA CLASSROOM (**contact Bob King at 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 or x7196**).

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

_____
IT Representative (printed and signed)

Comments (including status):

Justification

Abstract (project summary):

The proposed project will refurbish the multimedia infrastructure in Lind Lecture Hall 130. The two major components that need urgent replacement are 1) the outdated and problematic PC and 2) the Document Presenter commonly known as ELMO. This particular lecture room hosts in excess of 350 students per day and at its current state, digital presentations have become exceedingly difficult due to a lack of adequate computing and imaging hardware. The proposed project will allow faculty to implement state-of-the-art digital technology to assist with lecture associated visual material and enhance overall student learning.

Objectives and goals of this project:

The specific objectives are to 1) replace the PC-based platform, currently a 133mHz P1 computer with a more adequate system that is capable of handling video, audio, and large digital presentations and 2) to replace the document presenter (i.e., ELMO) with a modern digital system. Taken together the proposed refurbishments will significantly enhance the image resolution and media versatility for the presentation of visual material during lectures and seminars.

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

Because the proposed project is specifically aimed to refurbish a highly used lecture room it will have a direct impact on the following courses every semester:

Course Name	Number of Students
Principles of Zoology I	210
Principles of Zoology II	105
Animal Biology	210
Human Biology	210
Human Physiology	105
Human Anatomy	105
Total students: 945	

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

This is the second attempt to upgrade the multimedia capabilities of Lind Lecture Hall 130. Since last year's proposal, most faculty that rely on the existing computer-based system and ELMO to provide visual material during lecture have grown increasingly frustrated with the slow boot time (from 1-5 min), limited networking capabilities, continuous freeze-ups during lectures, and the lack of both focus and clarity. Consequently, both the computer and ELMO sit unused and faculty productivity is being impaired by these technical issues. In addition, more frequent use of the internet and campus network is desired by faculty that use this lecture room, but the continuous problems encountered by the system do not allow the full exploitation of the multimedia capabilities.

Describe how the success of this project will be evaluated.

The measure of success for this proposed project will be that faculty use the PC and Document Presenter in a more efficient manner and therefore provide students with improved visual aids that will enhance learning.

Timeline:

The implementation of this project will begin as soon as the Spring semester is over, and should be ready by the time Fall semester begins if not sooner.

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.

Hardware:	ARCC (Requested)	Department (Committed)	College (Committed)	Other (Committed)
Desktop computer (See attachment for details)	623	459.22	500	
Document presenter (See attachment for details)	1,377			
Hardware Subtotals:	2,000	459.22	500	

Software:	ARCC (Requested)	Department (Committed)	College (Committed)	Other (Committed)
Microsoft Office		40.78		
Software Subtotals:		40.78		

Other:	ARCC (Requested)	Department (Committed)	College (Committed)	Other (Committed)
Other Subtotals:				
Grand Totals:	2,000	500	500	

TOTAL FOR PROJECT: ___3,000_____ (Sum of all columns)

Additional Resources

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

The only additional resources required will be the installation of and operating system, networking capabilities (i.e., Novel) and the installation of Microsoft Office.

Hardware Summary:

Requested computer with ample multimedia capabilities (this will be a WSU PC-vendor)

- **Motherborad:** At least Pentium® 4 Processor with HT Technology 3.2GHz w/800MHz
- **Memory:** 2GB Dual Channel DDR SDRAM at 400Mhz
- **Monitor:** 17" E172FPb Flat Panel Display
- **Video Card:** 128MB GeForce FX 5200 Graphics Card with TV-
- **Hard Drive:** 120GB Serial ATA Hard Drive (7200RPM)
- **Floppy Drive and Additional Storage Devices:** 3.5 in Floppy Drive + 250Mb Zip Drive
- **Network Interface:** Integrated Intel® PRO 1000 Ethernet
- **DVD Drive:** Single Drive: 16X DVD-ROM Drive
- **Sound Card:** Sound Blaster Audigy™2 (D) Card w/Dolby 5.1, with speakers
- **Dual Monitor Support:** DVI-VGA Adapter to connect 2 CRT Monitors to dual capable Video Card

Requested Digital Document Presenter

Canon RE-450X or Canon DZ-3600U (Item code) 2034A001
- **Zoom:** 12x Power Zoom, 16x Digital Zoom
- **Shooting Area:** 1.2" x 0.9" ~ 13.2" x 9.9"
- **CCD Size Pixels**: 1/3" CCD (811 H x 508 V)
- **Resolution:** Video: 450 TVL, Digital: 1900 x 1424 max
- **Lens:** F/1.8~2.8 lens, 5.4~64.8 mm
- **Viewing angles:** Manual Pan Angle (+ or - 90 degrees), Manual Tilt Angle (0 - 162 degrees)
- **Analog Output:** Video Output (Composite: BNC x 1), S-Video: Y-C Mini Din Connector
- **Digital Output:** Preview (High Clarity/1.7 Fps approx.) High Speed/3.3 Fps approx.
- **High Resolution Still** (Color: 1900 x 1424 pixels), Greyscale: 1900 x 1424 pixels
- **Analog Input:** Composite Video (BNC x 2), S-Video (Y-C Mini Din Connector)
- **Control:** IR Remote Control, RS-232C 8 pin Mini Din, USB   USB Interface (B Series)
- **Mechanics:** Arm Lights (6W Fluorescent lights x2) Back Light (6W Fluorescent lights x2)