Academic Resources and Computing Committee

Proposal for Funding

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

Project Title: Multimedia for Instruction in Microbiology

Project Director: Bill Lorowitz

Department(s): Microbiology

College(s): Science

E-Mail: <u>wlorowitz@weber.edu</u>   Extension: 7782

Other Members of the Project Team:

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 <u>bhchase@weber.edu</u> or x7192)**,

MULTIMEDIA CLASSROOM (**contact Bob King at <u>rking@weber.edu</u> 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 <u>tmcgrath@weber.edu</u> or x7196**).

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

_____
IT Representative (printed and signed)

Comments (including status):

Justification

Your proposed project should be described as clearly and succinctly as possible in the spaces provided below. Be sure to review the "Criteria for Funding" document. *The entire justification section should not exceed two single-spaced pages.*

Abstract (project summary):

The Microbiology Department is seeking to have an LCD projector installed in LL229, a lecture room used for many of the courses for our major. The projector would be used to support lectures with PowerPoint® presentations prepared by the faculty, materials provided by the textbook publishers, and Internet access. Currently, all departmental faculty use these materials in our other two lecture rooms and need to be able to use the prepared material in LL 229 as well.

Objectives and goals of this project:

The primary objective of this proposal is to install a permanent LCD projector linked to a computer in LL229, a classroom used for lectures in our major's courses. This would make a huge contribution to enhancing the quality of the lectures in these courses by allowing us to use materials prepared for courses in our two (multimedia equipped) other lecture rooms, by encouraging the further development of in-house materials and by allowing incorporation of supplementary materials provided with the textbooks and available on the Internet.

This request fulfills the Criteria for Funding by fitting into the following general category:

3. Support for the implementation of information technology in a classroom setting. Such projects may include, but are not limited to multimedia equipment, network connectivity, necessary remodeling, or special software not included in the campus standard suite.

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.)

Many of our upper division courses are taught in LL 229, either as the assigned classroom or occasionally for lectures to laboratory sections. Micro 3154 Microbial Ecology, Micro 3484 Environmental Microbiology, Micro 3502 Environmental Health, and Micro 4354 Industrial Microbiology and Biotechnology are always taught in LL 229 with additional classes scheduled for that room as our enrollments grow. Additionally, the microbiology club, uses the room for some of its meetings and events. Overall, a conservative estimate is that between 150 and 200 students would benefit directly from this project.

If applicable, describe how this project will help to increase faculty productivity or enhance competency in some area of information technology.
(Please note that ARCC does not support faculty desktop or laptop computers.)

Our other two lecture rooms are equipped with multimedia equipment and all of our faculty learned to use Microsoft PowerPoint and have developed presentations to use in many of our courses. The addition of a permanently placed LCD projector in LL229, as requested in this proposal, will encourage faculty to continue developing course materials in Microsoft PowerPoint. (There is not much incentive to develop computer presentations if the means to use them in class are not available.)

In addition to being used in class, the PowerPoint presentations are being made available online to students, an enhancement that assists preparation for class, simplifies studying, and is supported enthusiastically by our students.

Describe how the success of this project will be evaluated.

(If reports or publications are anticipated from this project, please indicate such.)

Success of the project will be evaluated through subjective satisfaction by the faculty and objectively through indications of student satisfaction and achievement. Objective measurements of instructional improvement will be examinations and a poll of student opinion. It is anticipated that both groups will experience greater efficiency of educational and instructional processes, as already noted where we are using multimedia presentations.

Timeline:

(If funded, when will this project be implemented?)

Implementation will begin immediately after funding is provided. The room already contains the cabinet to contain the computer and projector; the only installation required will be to connect the systems and plug them in to the surge protector. It is our intention to have a system in place in time to use with fall courses.

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)
Prime Systems Standard Configuration PC	542.00	450.00		
1600 ANSI SVGA MICRO PORTABLE 4.8LB 400:1 CONTRAST RATIO or equivalent	999.00			
Hardware Subtotals:	1541.00	450.00		

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

Other:	ARCC (Requested)	Department (Committed)	College (Committed)	Other (Committed)
Other Subtotals:				
Grand Totals:	1541.00	490.78		

TOTAL FOR PROJECT: __ 2031.78_____ (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.)

None