Adding Projection Systems for Instructional Locations in Kildee Hall

Department of Animal Science

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II. Project Overview and Expected Benefit

A. Description and Intended Purpose

The Department of Animal Science maintains the computers and other information technology in two computer laboratories in Kildee Hall. These computer laboratories are located in rooms 1 and 124 Kildee. During the past two years, student computer fees that are annually allocated to the Department of Animal Science by the College of Agriculture were used to update all 43 computers and update the projector and printer in room 124 Kildee. Both computer laboratories are open to all students at Iowa State University. Room 1 has 30 computers arranged in rows and room 124 has 13 computers arranged for students working in groups of up to 3 students. The primary use of room 1 has been drop-in student use while most classes are scheduled in room 124. Classes scheduled in the computer laboratories currently require between 10 and 20 percent of the total hours of operation for the two computer laboratories each week. Several times during the semester, laboratories in multiple classes would like to have students meet in a computer laboratory at the same time or a class would like to have individual students access more than the 13 computers available in room 124. Currently, only room 124 has a ceiling mounted projection system for computer displays. This proposal requests funding for a ceiling mounted projector in room 1 Kildee.

The Department of Animal Science maintains a number of classrooms in Kildee Hall. Last year, two projectors located in 2310 Kildee (Farm Bureau Pavilion) were updated along with the electronic switching equipment. A departmentally supported projector is also maintained in 163 Meats Lab. Based upon student requests, we are recommending the installation of a projection system in 25 Kildee Hall. Room 25 Kildee is used for laboratories in a number of animal science classes but most heavily by AnS 214. AnS 214 has an annual enrollment of over 200 students. Many of the students in AnS 214 are not Animal Science majors. The room currently has two large screen CRTs but students have requested that a large screen projection system be installed to improve the quality of the image. AnS 214 uses a number of digital images of animal anatomy including a DVD that is shown during class. Digital cameras, purchased with student computer fees, are routinely used to capture new images that are added to the class library. This proposal requests funding for a ceiling mounted projector in room 25 Kildee.

Since neither of these locations currently has a projector and student computer fees are not to be used for wiring, the Department of Animal Science has agreed to pay for the installation of both projection systems with funds from sources not associated with the student computer fees. Based upon a consultation with Matt Darbyshire from ITC, it is estimated that ceiling mounted installation costs are typically around $1,600 per site.
B. Specifics of student availability

1. Available Hours
Room 1 is open on Monday – Thursday from 8AM -10PM and on Friday from 8AM – 5PM. Laboratory sections in animal science classes are scheduled in room 1 each semester. We have also received requests from other departments to schedule room 1 but they decided to look for another location since a ceiling mounted projector was not available.

Room 25 typically has 8 sections of AnS 214 scheduled during the year plus 11 laboratory sections of other animal science classes.

2. Number of students
Room 1 has 30 computers and can accommodate a maximum of 32 students.

Room 25 has a maximum seating capacity of 36 students.

3. Student populations
Room 1 is open to all Iowa State University students. It is primarily used by students that have classes in Kildee Hall. The ceiling mounted projector would primarily benefit students with laboratory classes scheduled in room 1.

Room 25 is only scheduled for Animal Science classes but some of those classes (AnS 214 and AnS 319) have a significant number of students that are not majors in Animal Science.

4. Innovation
The proposed projection systems are typical systems used at Iowa State University.

C. Special new technologies
No special new technologies are proposed.

D. University facilities
Room 1 and room 25 are located in Kildee Hall.

III. Support and Maintenance
The Department of Animal Science will use student computer fees that are annually allocated to replace bulbs and provide other maintenance as needed.
IV. Budget

1. Full Itemized Budget

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<thead>
<tr>
<th>Description of Item</th>
<th>Number</th>
<th>Unit Cost</th>
<th>Total Cost by Funding Source</th>
<th>College Pool</th>
<th>Other (AnS Dept.)</th>
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<td>Hitachi CP-X885W (3500 Lumens)</td>
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2. Minimum Feasible Itemized Budget (either system)

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