RICHARDSON COURT ASSOCIATION TECHNOLOGY
ENHANCED CLASSROOM

CAC Priorities:
1. Campus-wide proposals addressing student needs for campus computing capability
3. Upgrading existing open access facilities

Proposing Units:
Department of Residence
Office of the Dean of Students (Academic Success Center)

Date: February 24, 2006
To: Iowa State University Computation Advisory Committee

Participants:

Craig Zywicki (Project Leader)
Hall Director
Department of Residence
294-2290
czywicki@iastate.edu

Web Wilke
Technical Support
Department of Residence
294-1304
wwilke@iastate.edu

Heather Phillips
Interim Director
Academic Success Center
294-6624
hphilli@iastate.edu

Kurt Earnest
Coordinator for Academic Services
Department of Residence
294-6428
kearnest@iastate.edu

Pete Englin
Director
Department of Residence
294-5636
penglin@iastate.edu
II. PROJECT OVERVIEW AND EXPECTED BENEFIT

The outcome of this proposal will be a technology enhanced classroom within the Richardson Court residential neighborhood, specifically room C3115 of the Maple-Willow-Larch (MWL) Commons. Academic purposes for this enhancement address the needs of scheduled classes located in the facility (ex: Psychology 131 and English 104 and 105), Supplemental Instruction (SI), and Learning Communities (LC). Other educational (non-academic) programming events are likely to occur on a regular basis, such as programs sponsored by residence hall staff, student government, or other student organizations.

This proposal addresses an institutional priority to retain students. Iowa State University defines a goal within the 2005-2010 Strategic Plan to recruit and retain “students who are dedicated to individual and organizational excellence and achievement.” Graduation data shows that Iowa State University students living on campus during undergraduate education for one year results in a 20% increase in graduation rates over students who do not live on campus. The Department of Residence believes that dynamic living learning environments contribute to students’ success and strives to create seamless learning opportunities that blur the line between students’ in-class and out-of-class learning and increase the likelihood that students will achieve their educational goals.

An example of the commitment to serving the academic development of students is evidenced by a Department of Residence and Academic Success Center partnership. Each fall, DOR Hall Directors instruct one section of Psychology 131, the Academic Success Seminar, coordinated by the Academic Success Center. Many sections of this seminar for fall 2006 are already scheduled for the MWL Commons, specifically sections instructed by the Maple, Willow, Larch, and Oak-Elm Hall Directors.

By providing academic support within residence halls, we are achieving a greater level of student success and persistence. This proposal provides greater opportunity for learning through technology resources. Class instructors, SI facilitators, and LC coordinators will all be able to better serve students through use of these resources. Primary uses for classroom technology upgrade in this proposal will address academic needs of current students, in manners that will help improve or maintain the retention level of our students.

This proposal requests funding for the creation of a technology enhanced classroom within the MWL Commons, room C3115. Only basic equipment additions are being proposed. This room already picks up the signal from the wireless network.

A. Project Expenditures

This project would result in addition of the equipment to the existing space, as identified in Table 1. The total funding requested from Central Pool funds for this proposal is $14337.28. This total cost represents the financial support for all technology and accessories in the initial investment. The requested second table describing the minimum feasible budget is not included because Table 1 already represents the minimum.
B. Availability

1. Hours: Room C3115 MWL Commons is open 24 hours a day while classes are in session. Limitations on availability are only caused by classes or other events scheduled for the space. Students frequently use this space for study groups.

2. Number of Students: Approximately 1600 students live in Maple, Willow, and Larch residence halls. Thousands of students enter the MWL Commons daily and would have access to the space. As currently arranged, C3115 MWL Commons can accommodate groups of 30 students.

3. Student Population: C3115 is open and accessible to any student, but the targeted student population includes students who are members of one of the following groups who regularly use the MWL Commons:
   - Psychology 131: There were five sections of this course serving 100 students during the fall 2005 semester. Four sections of Psych 131 are already scheduled for fall 2006.
   - English 104: There were 20 sections of Engl 104 scheduled for fall 2005, serving 520 students.
   - English 105: 30 sections of this course serve 780 students during the current semester.
   - Learning Communities: There are 15 residentially based Learning Communities in the Richardson Court Residence halls. These groups contain approximately 450 students.
   - Supplemental Instruction: 2004-2005 data shows that 228 students participated in 718 total hours of supplemental instruction scheduled in the MWL Commons.

   Technology upgrades to MWL C3115 will provide options to spread out the use of the rooms for the above activities. For example, some flexibility in scheduling may open up the computer labs (C3112 and C3114) during the day for student access. Upgrades to C3115 will also accommodate scheduling of more courses.

C. Special New Technologies

   Not applicable to this proposal.

D. Facilities

   C3115 MWL Commons is approximately a 30’ x 35’ rectangular space. All current furniture in the room is movable, accommodating numerous group sizes and arrangements. Two computer classrooms (MWL C3112 and C3114) are nearby, but the nearest room that allows for the same flexible uses for the room, as written in this proposal, would be within the Gerdin Building. The technology additions resulting from this proposal would accommodate numerous instructional styles.

III. SUPPORT AND MAINTENANCE

   This CAC proposal supports the initial investment in equipment. Further support, maintenance, and costs beyond the initial investment described in this proposal will be provided by the Department of Residence, in agreement with Instructional Technology.
IV. BUDGET

A. Costs and Sources

The table below outlines the costs and funding sources for this proposal. Assistance determining items needed and costs was graciously provided by Matt Darbyshire.

<table>
<thead>
<tr>
<th>Description of Item</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Sub Total</th>
<th>Total Cost by Funding Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hitachi CP-X1250</td>
<td>1</td>
<td>3,432.58</td>
<td>3,432.58</td>
<td>3,432.58</td>
</tr>
<tr>
<td>Hitachi CP-X1250 replacement lamp</td>
<td>1</td>
<td>370.00</td>
<td>370.00</td>
<td>370.00</td>
</tr>
<tr>
<td>Chief Projector Mount</td>
<td>1</td>
<td>210.45</td>
<td>210.45</td>
<td>210.45</td>
</tr>
<tr>
<td>TOA Amp &amp; Modules</td>
<td>1</td>
<td>650.00</td>
<td>650.00</td>
<td>650.00</td>
</tr>
<tr>
<td>BOSE Ceiling Speakers or Wall Speakers (Pairs)</td>
<td>2</td>
<td>300.00</td>
<td>600.00</td>
<td>600.00</td>
</tr>
<tr>
<td>Wireless Microphone (LAV and Handheld)</td>
<td>1</td>
<td>608.00</td>
<td>608.00</td>
<td>608.00</td>
</tr>
<tr>
<td>Wired Microphone</td>
<td>1</td>
<td>170.00</td>
<td>170.00</td>
<td>170.00</td>
</tr>
<tr>
<td>VCR/DVD</td>
<td>1</td>
<td>125.00</td>
<td>125.00</td>
<td>125.00</td>
</tr>
<tr>
<td>ELMO P10 Digital Document Camera</td>
<td>1</td>
<td>1,600.00</td>
<td>1,600.00</td>
<td>1,600.00</td>
</tr>
<tr>
<td>ANTHRO Cart for Document Camera</td>
<td>1</td>
<td>250.00</td>
<td>250.00</td>
<td>250.00</td>
</tr>
<tr>
<td>10' electric screen</td>
<td>1</td>
<td>800.00</td>
<td>800.00</td>
<td>800.00</td>
</tr>
<tr>
<td>Middle Atlantic Cabinet</td>
<td>1</td>
<td>921.25</td>
<td>921.25</td>
<td>921.25</td>
</tr>
<tr>
<td>SP Controls, Hardwired Proj. Controller</td>
<td>1</td>
<td>1,160.00</td>
<td>1,160.00</td>
<td>1,160.00</td>
</tr>
<tr>
<td>Panasonic BB-HV381A, IP-Based CCTV Camera with two-way audio</td>
<td>1</td>
<td>1,200.00</td>
<td>1,200.00</td>
<td>1,200.00</td>
</tr>
</tbody>
</table>

**Equipment Subtotal** $12097.28 $12097.28

| ITS-Classroom Services install costs         | 1        | 1,040.00  | 1,040.00  | 1,040.00                     |
| AV Cabling/Materials                         | 1        | 1,200.00  | 1,200.00  | 1,200.00                     |

**Installation Subtotal** $2240.00 $2240.00

**Total** $14337.28 $14337.28 $0