Executive Summary

Recently the Office of Educational Technology sent a survey to faculty asking about experiences using classroom technologies such as overhead data projectors. The results of this survey compellingly demonstrate that availability of classroom technology does not meet demand. 79 faculty responded to the survey, teaching a total of 207 classes this semester. The sample represented a wide range of faculty with 43 responses from the College at Florham and 36 from the Metropolitan Campus, and responses from all four colleges, a wide range of disciplines, and a broad mix of adjuncts, instructors, tenure-track and tenured professors.

55 of the respondents, or about 70% overall, requested some form of data projection for 127 classes this term, with requests for a projector-enabled classroom made for 87% (110) of these classes. Clearly having a projector for the entire term is the most preferred choice for faculty who use this technology. And indeed, those who were able to obtain a classroom-enabled projector were very satisfied with the experience, with only one faculty member reporting substantial difficulty with the projection technology.

However we found that requests for projector-enabled classrooms were fulfilled only 68% of the time (75 classes), indicating that there is a gap in service of approximately 32%. Of the 35 classes that did not obtain a projector-enabled classroom as requested, only 9 were able to obtain a cart-delivered projector every time that the instructor requested it; 9 were able to get a cart-delivered projector at least some of the time. This means that 17 classes, or about 15% overall, ended up not using data projection at all, and 26, or about 24%, were under-served to some degree.

We also explored the extent to which requests for cart-delivered projectors were fulfilled. For this analysis we included all requests made for cart-delivered projectors. We found that 24 faculty made 170 requests for carts, but only 101 or 59% of these requests were fulfilled. We also discovered that a large majority of the requests made (129, or 76%) were by faculty who had been unable to obtain a projector-enabled classroom as requested.

These survey results provide strong evidence that FDU is not currently meeting demand for projector-enabled classrooms. The Office of Educational Technology will be conducting a classroom study next semester to determine methods to optimize the use of our current projector-enabled classroom stock. We also continue to explore ways to obtain additional funding so that more projector purchases can be made.
Part I: Demographics of Faculty Respondents

A. Faculty Status:

- Full Time Tenured: 37%
- Full Time Tenure Track: 22%
- Instructor: 9%
- Adjunct: 32%

B. College Affiliation:

- Becton College: 41%
- New College: 5%
- University College: 38%
- Silberman COB: 16%
C. Campus:

Florham-Madison 54%
Metropolitan 44%

D. Discipline:

Business
Education
Health & Medicine
Humanities
Math/Computer Science
Natural Sciences/Engineering
Social sciences
Visual/Performing Arts
Other:

Other:
English (1), Finance (1), Taxation (1), Biology (1), Core (2), Communication Studies (2), Modern Languages (1), Interdisciplinary Studies (1)
Part II: Scheduling your class in a projector enabled classroom

A. Number of sections taught by the faculty respondents during the Fall '04 semester:

- Five sections: 4%
- Three sections: 33%
- Two sections: 20%
- One section: 23%
- Four sections: 20%

B. Number of sections in which the faculty member requested a projector-enabled classroom for the entire term:

- Zero sections: 41%
- One section: 16%
- Two sections: 19%
- Three sections: 14%
- Four sections: 6%
- Five sections: 4%
C. Percent of sections that were scheduled in a projector-enabled classroom of those requested.

Note: The “150%” represents the two sections that were scheduled in a projector-enabled classroom without a request.

D. The number of in-class meetings that the data projector was planned to be used:
E. Were you able to use the projector in your classroom when you wanted to?

- Yes, all the time: 54%
- Yes, almost all the time: 30%
- No, almost never: 10%
- No, Never: 6%

F. Summary of problems encountered when projectors were not working properly:

<table>
<thead>
<tr>
<th>Major Problems</th>
<th>Frequency of Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projectors not available when requested</td>
<td>6</td>
</tr>
<tr>
<td>Remote and/or cable not available or not working</td>
<td>4</td>
</tr>
<tr>
<td>Projection screen broken</td>
<td>3</td>
</tr>
<tr>
<td>Poor sound and/or lighting quality</td>
<td>3</td>
</tr>
<tr>
<td>Too much effort to get a cart-delivered projector</td>
<td>1</td>
</tr>
<tr>
<td>For visiting lecturers: compatibility issues</td>
<td>1</td>
</tr>
<tr>
<td>Mansion (Florham campus) not equipped to handle technology</td>
<td>1</td>
</tr>
<tr>
<td>Student Assistant not showing up on time for pick-up</td>
<td>1</td>
</tr>
</tbody>
</table>

G. Summary of other issues or concerns with permanently installed data projectors:

- Most faculty respondents would like permanently-installed projectors rather than cart-delivered projectors. The reasons cited involve potential delays in delivery and/or pick-up as well as the concern for mechanical malfunctions.
- Some faculty respondents feel that supplying the projector is just not enough. There are sound and lighting concerns in many of the FDU classrooms that also have to be resolved.
- Faculty cite specific classrooms on the campuses where the existing projectors need adjustment or replacement.
- Another concern is the availability of Internet access in some buildings.
Part III: Requesting Delivery Of A Cart Delivered Projector To Your Class

A. Percent of time the cart-delivered projector was obtained when requested for a class:

B. When requested, percent of time the projector was delivered on time:

C. When requested, percent of the time the projector was working properly:
Part IV: Classroom Technologies

A. I feel that the following classroom urgently needs a permanently installed data projector?

Madison Campus:
Mansion 11, 17, 30 and 60, all of third floor, Science Building room 10, 11, and 13
All rooms in the New Academic Building
All rooms in Dreyfuss, particularly Dreyfuss 212
TV Studio

Metropolitan Campus:
All Dickinson Hall first and second floor classrooms
At least one of the classrooms used by Dept of Nursing on the 4th floor of DH
RA101
BC: 4th floor rooms
BC 404 and others on the fourth floor

B. Potential use of a TV/VCR/DVD in your classroom, if available:

<table>
<thead>
<tr>
<th>Response</th>
<th>Frequency of Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Would use extensively</td>
<td>24</td>
</tr>
<tr>
<td>Would use occasionally</td>
<td>37</td>
</tr>
<tr>
<td>Not likely to use</td>
<td>12</td>
</tr>
</tbody>
</table>

C. Faculty potential use of a Smart Board in your classroom, if available:

<table>
<thead>
<tr>
<th>Response</th>
<th>Frequency of Responses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Would use extensively</td>
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<tr>
<td>Not likely to use</td>
<td>25</td>
</tr>
</tbody>
</table>

*(A Smart Board is a white board which captures your class session, and stores it for electronic dissemination)*
D. Additional classroom technologies that you feel would be a useful addition to the FDU classroom stock (most popular choices)

<table>
<thead>
<tr>
<th>Additional Classroom Technologies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Functioning permanent projectors/screens **</td>
</tr>
<tr>
<td>2. Reliable Internet Access</td>
</tr>
<tr>
<td>3. Permanent cables and remotes for laptops and to be stored in classrooms</td>
</tr>
<tr>
<td>4. CD/DVD with sound system</td>
</tr>
<tr>
<td>5. Videotape equipment</td>
</tr>
<tr>
<td>6. Permanent projectors with sound</td>
</tr>
<tr>
<td>7. Smartboard</td>
</tr>
</tbody>
</table>

** Most popular response