

OID Classroom Services

# Annual Report 2001 - 2002



*Instructional Technology in General Assignment Classrooms*

General Assignment Classroom  
Instructional Technology Annual Report  
Fall 2002

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# General Assignment Classroom Instructional Technology Annual Report Fall 2002

## Executive Summary

### AS OF FALL 2002...

- ⌘ 81% of general assignment classrooms have Internet access (154/191)
- ⌘ 77% of rooms have video playback equipment (148/191)
- ⌘ 30% of rooms have slide projection (57/191)
- ⌘ 26% of rooms have installed data projectors (50/191)
- ⌘ 84% of installed data projectors are less than 5 years old (42/50)
- ⌘ there are 16 classrooms with permanently-installed classroom computers

### DURING SUMMER 2002...

- ⌘ We installed permanent media equipment, including data projectors, in 4 additional rooms, bringing the total number to 50.
- ⌘ We upgraded 10 projectors that were more than 5 years old, lowering the total number of old projectors to 8.
- ⌘ We assumed management of Videoconferencing/Distance Learning Services, providing a one-stop service for both mobile and permanently-installed videoconference needs.

### BY FALL 2003...

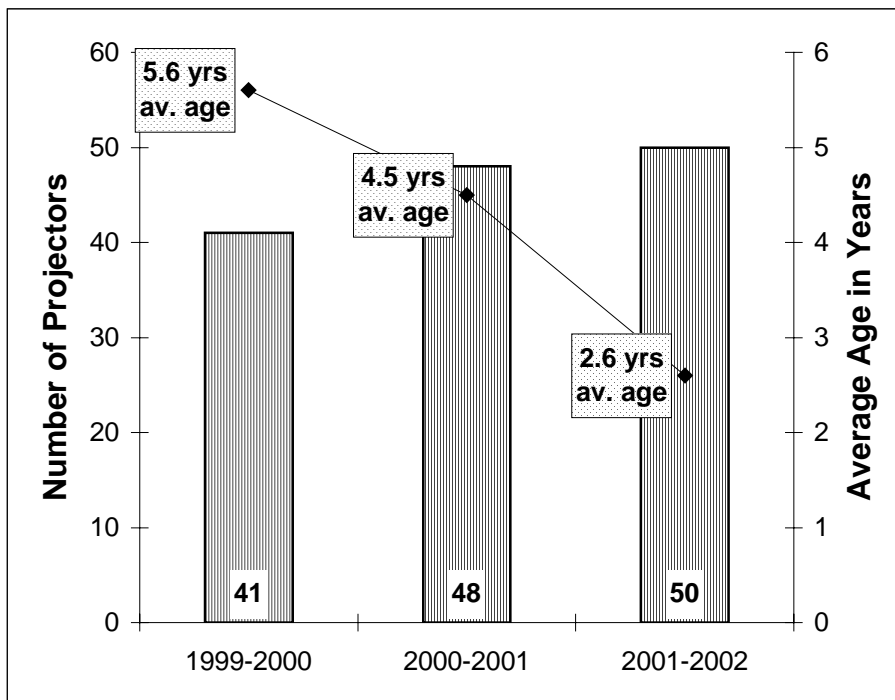
- ⌘ We plan to install and/or upgrade data projectors in 12 classrooms.
- ⌘ Although we were able to identify funding to continue subsidizing labor costs for the delivery of theft-sensitive equipment for the remainder of Fiscal Year 2002-2003, by Fall 2003 we anticipate that we will need to begin to charge for such deliveries.

FOR THE LATEST UP-TO-DATE INFORMATION, PLEASE VISIT  
[WWW.OID.UCLA.EDU/AVS/](http://WWW.OID.UCLA.EDU/AVS/)

EQUIPMENT IN CLASSROOMS, SORTED BY CLASSROOM CAPACITY  
AS OF FALL 2002

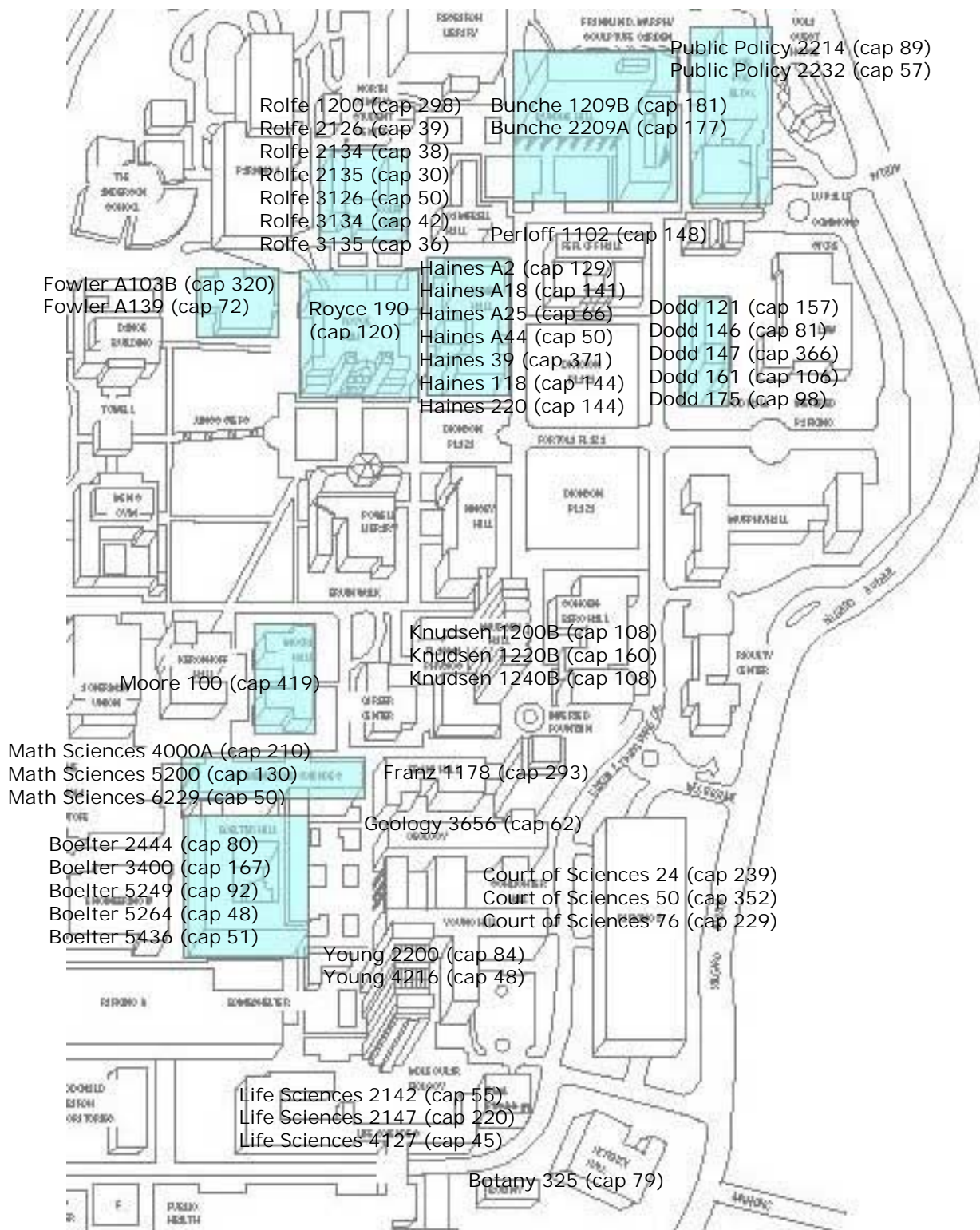
Classrooms by Capacity	Overhead Projectors	Video Playback	Network Access	Data Projection	Slide Projection	Voice Amplification	Sound Amplification	Installed Computer	Total Classrooms
Capacity 10-19:	21	20	17						<b>21</b>
Capacity 20-39	78	57	70	4	9	1	1		<b>78</b>
Capacity 40-59	39	31	33	9	7	5	4	4	<b>39</b>
Capacity 60-99	22	14	15	11	15	9	10	7	<b>22</b>
Capacity 100-149	14	10	9	10	9	12	11	4	<b>14</b>
Capacity 150-299	11	10	5	10	11	11	10		<b>11</b>
Capacity 300 and over	6	6	5	6	6	6	6	1	<b>6</b>
<b>TOTALS</b>	<b>191</b>	<b>148</b>	<b>154</b>	<b>50</b>	<b>57</b>	<b>44</b>	<b>42</b>	<b>16</b>	<b>191</b>

DATA PROJECTORS IN CLASSROOMS GETTING NEWER EVERY YEAR



# CLASSROOMS WITH INSTALLED DATA PROJECTORS

(Blue rectangles indicate Internet access.)



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## Videoconferencing: Seeing Through Distant Eyes

*"American Jews and Israel in Mutual Perspective" (Jewish Studies 197C), taught by Prof. Fredelle Spiegel during Fall 2002, had the ambitious goal of examining relations between Israel and Jews in this country, making students aware of the effects of history, statehood, religion and culture on perception of Israel by American Jews and vice versa.*

*In order to drive the message home, Prof. Spiegel decided to offer the course in collaboration with a similar course at Tel Aviv University, bringing students together with email, online bulletin boards, joint assignments, and three videoconferenced joint sessions.*

*The results have been amazing. Students in both classes learned that words they have taken for granted – such as Diaspora, exile, Zionism – take on very different meanings depending on the ambient culture. The interaction between the students, moderated by Prof. Spiegel and her counterpart in Tel Aviv, was remarkably natural, and the excitement among both sets of students at being able to pose questions based on their readings to their real live counterparts was apparent.*

On March 22, 2001, OID's brand new IP-based videoconferencing equipment was unpacked and immediately used in a high-profile, live demonstration of Internet2 with three educational institutions in Mexico. H.323 technology was used at the James West Center to launch collaborations between UC, University of Mexico, CICESE (Centro de Investigación Científica y de Educación Superior de Ensenada), and CIESAS (El Centro de Investigaciones y Estudios Superiores en Antropología Social).

*"... a great job with the New Zealand videoconference. Everyone was very happy with the results..."*

*--Debbie de Leon, Anderson School*

This demonstration was part of the ratification of the UC-CONACYT agreement that supports collaborations between the UC system and higher education institutions in Mexico utilizing the CalREN network. Mexico's president, Vincente Fox and Governor Grey Davis was present for the signing.

*"This was my first experience teaching a course over the internet. Based on my evaluations ... it was a very successful endeavor, due in no small part to your efforts and those of your staff."*

*-- Oscar Grusky, Sociology*

This fall, three different language classes (Swedish, Danish and Finnish) were launched combining students from UC Berkeley and UC San Diego with students at UCLA in order to share expertise across the campuses. All in all, we have supported distance learning in Scandinavian Studies, Economics, Jewish Studies, the Anderson School, Electrical Engineering, Environmental Health Science, Sociology, Education, and French from Fall 2001 – Fall 2002. This includes 6 full courses and 6 courses that invited one or more guest lecturers via videoconference.

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## Chancellor's Excellence in Service Award



*OID has always treasured Media Systems Design Chief Engineer Rick Holmes, so we were not surprised when he was chosen as the winner of the 2002 Chancellor's Excellence in Service Award, sponsored by the UCLA Staff Assembly.*

How does one measure the impact of one staff member among the thousands who together provide the host of services needed to support instruction at UCLA? 26 million student hours of classroom instruction over 35 years is a modest approximation of the impact which well-equipped classrooms have had on teaching and learning. Since Rick first began his UCLA career, media has gone from being an exotic augmentation used by a few brave faculty, to being as critical a component to the delivery of instruction as the lights, the seats, and the chalk board.

Behind almost all of UCLA's nationally recognized media teaching environment is Rick Holmes, Head Media Engineer in the Office of Instructional Development. When Rick's phone rings many times each day, it can be a tech support person, a faculty member, a facilities craft person, an MSO, a TV engineer, or an eager vendor with a critical question. Each will get a well-considered, clear explanation of the technology now and in the future, as well as advice on how to weigh the options and make an appropriate decision. The number of departmental class and conference rooms which have been improved as a result of Rick's expertise are countless.

Every general assignment classroom has been expertly examined at least once by Rick to assess and exploit its potential as a media classroom. Many rooms, such as the seven large auditoria, have undergone this demanding process 4-5 times in response to changes in technology, facilities, and the expectations of faculty. Rick combines a breadth and depth of expertise which UCLA has come to take for granted – the media, the facilities, the faculty expectations and practices, and the meaning of service quality. Whether designing a customized engineering solution, or explaining the basics to a beginner, Rick embodies the best of technology expertise and service to meet the needs and exceed the expectations of UCLA instructors.

*Over the past 20 plus years, Rick has filled the role of visionary, engineer, designer, fabricator, installer, repairer, trouble shooter, and, perhaps above all, expert consultant in all things related to media.*

*4 Ruth Sabeau, OID*

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## Upcoming Classroom Construction and Renovation

*Our Media Systems Design group consults with Capital Programs and Facilities on construction projects involving general assignment classrooms.*

### Consultations during 2001-2002 include:

- €# **Glorya Kaufman Hall (3 general assignment classrooms, opening 2003)**
- €# **Morton LaKretz Hall (3 general assignment classrooms, opening 2003)**
- €# **Broad Hall (2 general assignment classrooms, opening 2004)**
- €# **Physics and Astronomy Building (5 general assignment classrooms, opening 2003)**
- €# **Kinsey Hall Seismic Renovation (scheduled for renovation beginning in January 2004 and ending January 2006)**

### Departmental Clients Include:

African American Studies, Anderson School, Anthropology, Arts & Architecture, Athletics, Biomedical Library, CLICC, CTS, Center for the Performing Arts, Communication Studies, Design and Urban Architecture, English Department, Facilities, Film and Television, GSEIS, Hammer Museum, IMPL, IM Lab, IPAM, Jules Stein Eye Institute, Law Library, Law School, NPI, Near Eastern Languages and Cultures, Office for Students with Disabilities, Physics & Astronomy, Psychology, School of Dentistry, School of Engineering, School of Medicine Dean's Office, School of Nursing, Student Psychological Services, Transportation Services, UCLA Hillel, University Extension, World Arts and Culture, and YRL.

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## New Equipment for Classroom Use

*Last year's annual report identified equipment reliability as the most important factor influencing instructors' decisions to use or not to use media equipment in classrooms. This summer we went to work replacing aging equipment, and we have reduced the average age of installed data projectors from 4-1/2 years to 2-1/2 years, increasing reliability and decreasing support costs.*

In fact, this summer we completed more projects than we have ever done over a single summer, 13 different classrooms. We replaced the handheld projector controls with fixed control panels in six Rolfe rooms. We upgraded the video projector and added VCRs in CS24, 50, and 76 along with Knudsen 1200 and 1220. We upgraded the video projector and added DVD players in Franz 1178 and Dodd 121. We finished two small media classrooms (projector and computer post) we started the previous summer (Boelter 5264 and 5436) and one standard media classroom (projector, media cabinet, and computer post) Boelter 5249. In conjunction with remodeling done by Facilities we replaced the media system in Geology 3656, and installed a system in Young 4216.

*"It is very exciting to have rooms like this, especially when you design your lectures around presentation and technology."*

*– David Halle, Sociology*

*"[Classroom technology] provides cognitive bridges for students between what happens in class and outside of class."*

*– Chris Mott, English*

A new media classroom was created in Young 4216, and data/video projectors were upgraded to the latest models in:

- # Boelter 2444, 3400, 5249, 5264, 5436
- # Court of Sciences 24, 50, 76
- # Dodd 121
- # Franz 1178
- # Geology 3656
- # Knudsen 1200B, 1220B
- # Moore 100

In addition to this, we upgraded seven carrels in the OID Media Lab located in Powell Library, and upgraded the audio system in the Media Lab's Room 11.

To facilitate user support, we increased the number of classrooms with phones connected directly to the AVS Help Desk from 37 to 53 (there are an additional 13 AVS Help Desk phones in hallways and projection booths in 9 campus buildings).

### **Polycom Viewstation FX**

We've continued to expand Video Conferencing Services with the purchase of a Polycom Viewstation FX. The FX combined with our previously purchased H.323 system allows us to handle point to point video conferencing in house. The FX also allows us more flexibility as it can handle traditional ISDN video conferencing as well as IP based conferencing.



### **Panasonic PTL-720U Data Projectors**

In the last year we have met the demand for more data projectors by negotiating the lease of twenty portable Panasonic PTL-720U XGA data projectors.

Introduced in the Fall of 2002, these 8 pound projectors provide computer and video projection in the smallest seminar room to the largest auditorium. At 2200 lumens, they are bright enough to leave the lights on!



### **Panasonic PV-D4741 DVD/VCR Combo Decks**

To complement our data projectors we added twelve Panasonic PV-D4741 DVD/ VCR combos which have helped us to keep up with the growing catalog of DVD material without sacrificing basic VCR playback.



### **Toshiba SD-2715 Code free DVD Players**

Smaller to medium sized rooms requiring DVD/VCR playback are better served with one of twelve new 27" TV/DVD/VCR Combo Units.

To round out our DVD playback capabilities we purchased three Toshiba SD-2715 Code free DVD players. These DVD players allow for DVDs across the world to be played through our systems.

The standards are still necessary. We have continued to supplement our basic equipment inventory with the purchase of twenty-two overhead projectors and sixteen 35mm slide projectors.



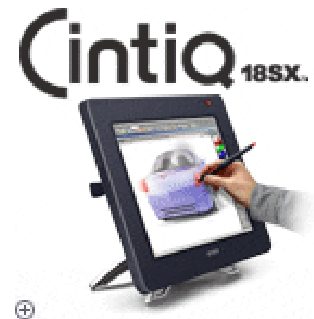
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### **Research & Development**

*We test and evaluate dozens of new media products each year. Here are a few of the products which you may have heard about from vendors, with our assessments of their workability in the UCLA classroom environment.*

### **Wacom LCD tablets**

These LCD tablets bring the smart white board to the instructor. Rather than using special markers to write on projected images, the tablet allows you to annotate, highlight, and point without turning your back on the audience. This would be particularly applicable in rooms where a smart white board is not feasible because of size or location of the projection surface. The technology is still expensive but is worth re-evaluating annually.



### **Margi Systems Presenter to Go**

Margi Systems' Presenter to Go which works in conjunction with a Handspring Visor PDA to store and show PowerPoint slides was unimpressive. It took a while for each slide to load, animation was lost, and in one instance we were unable to upload a photograph. It needs major re-engineering to suit classroom needs.



### **Aver Epack300 Digital Slide Presenter**

The AverMedia's Epack300 is a stand alone presentation storage device. It worked better than the Presenter to Go but still was not ideal.

Our final assessment is that the concept is a great one but the processing speed of these smaller devices is not adequate. In general the slide transitions are slower and in some cases the images are compressed to the point of not being able to show at all. In spite of



this negative assessment, it is possible that if a faculty member uses text only PowerPoint slides they may achieve satisfactory results with this technology.

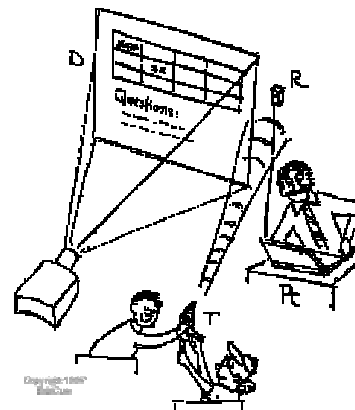
### **Alliance Internationals Air Projector**

Alliance promises to get rid of wires between your projector and laptop. Although it has potential, the technology is just not ready yet. Uploading delays are typical and would not be acceptable for instruction.



### **Interactive Student Response Systems- Educue**

The concept behind Audience Response Systems is to enable the instructor to poll, quiz, take attendance in a class and have instant data on their laptops. The simplest application would be to poll the class to make sure every one understands and is ready to move on. Although we had some problems with the initial software set up the system works well. Although prices have dropped since such products first appeared on the market, the roll out of the system requires planning, is labor intensive and, most important, has yet to find faculty who need it.



### **Panasonic DMRE30S DVD-R recorder**

The Panasonic DVD-R has great reviews and is in a reasonable price range. It allows you to record on DVD rather than traditional VHS. There seems to be an initial learning curve which has led to some negative reviews. We are keeping our eye on the technology because of its potential video shoot application.

