Delivering New Technology in the Reinvented Library

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When the UCSB Library opened its doors on January 4th, 2016, patrons were impressed with the design, facilities, and improved technology features that the renovated Library provides. Enterprise Technology Services (ETS) was a major supporter in this technological overhaul, providing the infrastructure and support required for the new services.

In total, the ETS Library Systems Support Group integrated and deployed 342 technical elements from December 14, 2015 through January 4, 2016.

Instructional Classrooms
Each of the Library’s two instructional classrooms, which encourage teacher-student collaboration through integrated hardware and software components, are outfitted with:

- 30 HP Thin Client laptops
- 1 Epson 1080p overhead projector
- 1 electric drop projection screen
- 1 integrated Crestron multi-touch panel for device and audio control
- 1 webcam
- 1 Elmo document camera
- 1 Middle Atlantic lectern
- 1 HP laptop (for instructor use)
- Full room ceiling speakers
- Handheld and lapel microphones
- 3 interactive Infocus multi-touch screens (two are located in room 1312, one in room 1575)

Interdisciplinary Research Collaboratory
The Interdisciplinary Research Collaboratory, located on the 2nd floor, supports data creation, curation, and analysis across disciplines. It offers space and computing for individual or collaborative use of data resources, along with expert consultation available to all UCSB scholars. ETS installed:

- 20 VMware virtual desktops with programs for statistical mapping and imagery
- Handheld and lapel microphones
- 10 HP Xeon workstations with 32” monitors
- 3 Samsung 85” displays
- 1 Epson 1080p overhead projector
• 1 electric drop projection screen
• 1 Integrated Crestron multi-touch panel for device and audio control
• 1 set of ceiling speakers with dual volume control
• 1 WePresent Wireless Presentation for multi-device collaboration
• 1 HP laptop (for instructor use)

Learning Commons
The Learning Commons includes two floors of study space, reservable group study rooms, PC and Mac computing, and the sit-down Summit Café. Public areas of the Learning Commons are equipped with:

• 91 HP Windows 7 Enterprise PCs
• 5 HP Printers with All-in-One Print Release stations
• 3 HP Windows 7 Enterprise PCs, each with 3D modeling software, the full Adobe Creative Cloud, and 27” 4K monitors
• 6 iMacs, each with 3D Modeling software, the full Adobe Creative Cloud, and 27” displays (new for Library, still in progress)
• 3 MacBook Pros, each with 3D modeling software, the full Adobe Creative Cloud, and 27” 4K monitors (new for Library, still in progress)

Special Research Collection
Located on the 3rd floor Mountain Side, the Special Research Collection is a new area reserved for UCSB’s unique and rare materials. Along with the integrated functionality of other rooms in the Library, ETS provided upgrades include:

• 1 Epson 1080p overhead projector
• 1 electric drop projection screen
• 1 HP laptop
• 1 Middle Atlantic lectern
• 1 integrated Crestron multi-touch panel for device and audio control
• Segmented audio with volume control for each room
• Handheld and lapel microphones
• Large mobile display capability for large room presentations

These installations required significant planning, effort, and coordination to ensure that the additions and changes met the desired goals of the Library Administration Group and the campus. Four teams worked together to deliver the technology for the reinvented UCSB Library:

• **ETS Library Systems Support** assessed the technical requirements, selected and vetted vendors, procured equipment, and then configured, integrated, and tested all appliances.

• **UCSB Library Systems and Repository Operations** set up the essential network infrastructure.

• **ETS Communication Services** moved wiring, improved network connections, re-ran cabling, and installed power to tables.

• The **ETS Project Management Office** provided product and vendor management.