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Changin' in the DLC: Implications for Space Planning

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Changin' in the DLC

Implications for Space Planning

Information Commons Discussion Group
"The Commons - Libraries as Dynamic Learning Spaces"
Saturday, June 24, 2006

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The Digital Learning Collaboratory



dlc.purdue.edu

- **Joint initiative with Libraries and ITaP**
- **Created in 2002**
- **Key design principles**
 - Foster collaboration and integration
 - Flexibility of access and use

DLC Programs & Services

- **Multimedia integration**
- **Collaboration space**
- **Enhanced workstations & support**
- **Equipment check-out**
- **Instructional programming**



DLC: The Facility

- **6,000 square feet of space**
- **45 public workstations**
- **Peripheral hardware / equipment**
- **Collaboration rooms**
- **Variety of furniture configurations**
- **Instructional space**

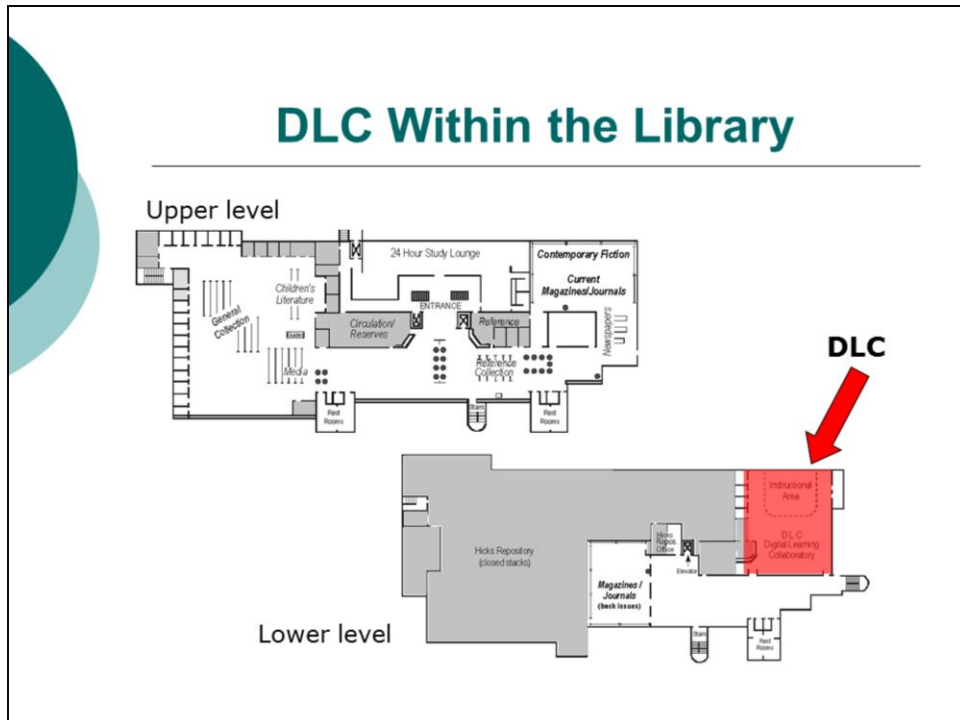


Workstations –

26 general image (8 with flat-bed scanners);

9 high-end PCs and 11 Macs -- microform / slide scanners, digital video capture and editing equipment, 3-D modeling, animation

DLC Within the Library



Public space in HIKS:

Lower level = 14,795 square feet

Ground level = 25,953 sq. ft.

TOTAL = 40,748

[24-hour lounge = 4134]

DLC: Basic Layout & Design



Influences Driving Change

- Growth in demand of existing services & resources
- Analysis of user behavior / needs
- Programmatic changes in campus environment
- Availability of new technologies



Growth in demand – levels of instruction; numbers of check outs, reservations, etc.

User behaviors – requests for more group collaborative spaces; addition of coffee shop will foster different use patterns; adjacent spaces better matched

Programmatic changes – growth of **DCC** leads to need for different facilities (i.e. audio/video prodn studios); addition of **Writing Lab**, with potential growth; **Envision Center??** (data visualization & perceptualization; virtual reality); **digital repositories; digital publishing??**

New technologies – interactive instructional software (Breeze; e-instruction/clickers); videoconferencing



Use of DLC Services & Resources

- **General facilities usage**
 - gate counts – **10.7% increase** in first year (2002-03)
 - collaboration room reservations – **1767** (2004-05)
- **Equipment usage**
 - general workstation log-ins – **~40,150** (2004-05)
 - “high end” machine reservations – **4974** (2004-05)
 - check-out equipment – **2210** circulations (2004-05)
- **Instructional programming**
 - **44** sessions (2002-03); **132** sessions (2003-04); **228** sessions (2004-05)
- **Digital Cinema Contest**
 - **14** entries (2003); **15** entries (2004); **16** entries (2005); **26** entries (2006)
- **Campus Partnerships**
 - Writing Lab
 - Instructional Development Center

Re: gate counts – after initial increase, have held steady

Re: general wkstn log-ins – based on compilation of monthly counts of **unique** users

Campus partnerships:

Writing lab, satellite opened Spring 2006; expected to grow

Instructional development center – use instructional space for workshops and training of software applications, course management systems, etc

DLC User Behavior / Needs

- More workstations
- Requests for more technologically-ready collaborative spaces
- Adjacent spaces better matched
- Addition of coffee shop



Adjacent spaces better matched – quiet spaces / group study spaces / social spaces

Coffee shop: will foster different use patterns



Programmatic Changes / New Technologies

- **Digital Cinema Contest**
- **Writing Lab** satellite
- **Instructional Development Lab:**
student peer-to-peer training program

Programmatic changes on the horizon...

- **Envision Center** (data visualization & perceptualization; virtual reality development)
- **Digital repositories**
- **Digital publishing**

Growth of **Digital Cinema Contest**: add audio/video production studios

Writing Lab satellite: potential growth; greater visibility

Envision Center – additional equipment and software; virtual reality rooms...

Digital repositories – new staff; may require consultation areas & work areas

Digital publishing – additional equipment, staff(?)

New Technologies

- **Enhanced functionality**

- **Digital capture** (video/audio recording facilities)
- **Videoconferencing**
- **Large screen workstations** (collaboration and small group presentations)
- **Usability lab**
- **Interactive instructional software**





Ongoing considerations

- **Greater integration; extend resources throughout entire library space**
- **Greater collaboration opportunities**
- **Greater flexibility**
- **Driven by *programmatic directions***
- **All partners must be ready for change**

Goal: Foster greater integration of library services and technology/multimedia development capabilities; incorporate use of traditional (print and media) collections with technology