“Why Do I love the WALC?”

Wilmeth Active Learning Center

Videos from the Purdue Libraries Student Contest – Fall 2017

https://www.youtube.com/watch?v=jipHfO2m7s&list=PLfiLH31ZZsO3_c8S3iPjCQ2

https://www.youtube.com/watch?v=5U4rOYZEK0&index=7&list=PLfiLH31ZZsO3_c

https://www.youtube.com/watch?v=wH4tP_nnJuk&list=PLfiLH31ZZsO3_c8S3iPjCQ2

https://www.youtube.com/watch?v=JCDs8F4qTfI&index=9&list=PLfiLH31ZZsO3_c8S3

https://www.youtube.com/watch?v=4nLj4WQCBXs&index=11&t=12s&list=PLfiLH31ZZsO3_c8S3iPjCQ2-0X8QqW_oc
Coalition for Networked Information (CNI)
Washington D.C. – December 11, 2017

James L. Mullins, PhD
Dean of Libraries &
Esther Ellis Norton
Professor
&
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Asst. Director of Planning
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WALC Facts

Consolidates 6 campus libraries into one STEM Library
Provides 27 active learning classrooms to support the IMPACT program

*Instruction Matters: Purdue Academic Course Transformation* (IMPACT) was initiated in 2013.

**Building Area:**
- Gross Area (GSF): 178,455
- Net Useable Area (NSF): 150,692
- Assignable Area (ASF): 93,716

**Building Budget:** $79M
- $50M  State of Indiana
- $13M  Purdue University
- $16M  Purdue Libraries

**Site Budget:** $18M

**A/E:** BSA LifeStructures  **Contractor:** F.A. Wilhelm Construction Co., Inc.
1924 Power Plant on Site of Wilmeth Active Learning Center
Features

- Internal Classrooms
- Natural Light! Inside!
- Library Stacks
Features

“Build it and they will come.”

2 Days before school started

The day school started
Features

4 stories of light!
Even in the Lower Level
Features

Reading Room
Features

The Bridge

Alternating Open and Closed Study Rooms
Features

Print-release Stations

Excellent Wayfinding Signs

Teaming Rooms

Objets d'art from the old Engineering Administration Building
Features

Au Bon Pain Restaurant

Study Nooks

Casual Furniture
Bits of Purdue history, salvaged from the 1924 Power Plant on the site of WALC.
Classrooms - Models and Quantities

• **Performance**  1 room seating 329 students (Hiler Theater)
• **Boiler Up**   2 rooms seating 108 or 180 students
• **Eye2Eye**  1 room seating 84 students
• **6Round**  3 rooms seating 72 or 102 students
• **Turn2Team**  2 rooms seating 60 or 66 students
• **SCALE-UP High Tech**  3 rooms seating 54 or 72 students
• **SCALE-UP Low Tech**  3 rooms seating 72 or 108 students
• **Mobile Tablet Chairs**  5 rooms - seating 45, 90, or 126 students
• **Flexible Trap Tables**  5 rooms seating 40 or 50 students
Hiler Theater/Performance Classroom

Intimate 329-seat Theater/Classroom with ADA-friendly, flat-floor, performance “stage”
User-friendly theatrical lighting and curtains, which descend automatically when a/v used.
Dual projected images or single widescreen for film study
Upholstered seating with anti-panic, self-storing tablets
Fan-shaped classrooms serving 108 and 180 students
Wedge-shaped tables for teams of six students, swivel task chairs,
Personal whiteboards and display rails, power at tabletop
Triple projection screens - dual images.
Eye2Eye Classroom

84-seat classroom with students seated face-to-face for teaming, Built-in “benching” (long tables), Swivel task chairs, Dual projected images at both ends
6Round Classrooms

Supports 6-person teams, using:
- *Built-in 60” round tables, or*
- *Loose pairs of “Trap” tables*

Dual projection at both ends, Floor boxes or tabletop convenience outlets
Turn2Team Classrooms

Pairs of strip-tables narrow and wide (teaming)
Swivel task chairs
- Face forward for presentation or exams
- Turn to team in groups of 4 or more
SCALE-UP Classrooms

Student-Centered Active Learning Environment with Upside-down Pedagogies

9 person discussion groups or 3 teams of 3 using 3 laptops

Technology hubs or Mobile tables

Borrowed Light!
Mobile Tablet Chairs

Large-form, mobile tablet-arm chairs
Rapid user-reconfiguration
Dual projected images or large flat panel displays
“Trap” tables (30”x 60” trapezoids) seat 2 or 3 in swivel task chairs. Rapid user-reconfiguration. Tables can be paired to create a 6-person hexagonal table, or *use your imagination*. Dual projected images or dual, large flat panel displays (1 touchscreen)
AV and Technology Support

- WiFi saturation designed for 2.5 devices/person, 4 would have been better.
- At least 6 data jacks between the ADA instructional lecterns and AV equipment rack in classrooms for subnet diversity needs and security.
- Planned classroom video and audio routers big enough for growth, placed conduit paths and box locations in several more rooms for additional flat panels to accommodate for future growth
- Called for pan/tilt/zoom cameras in all of the classrooms and large library learning spaces, installed only one third of the cameras for initial roll-out to analyze use and need
- Installed wireless video capabilities (Solstice Pods) to reinforce mobile pedagogy and student collaboration
- Two fiber to each library and classroom space with an equipment rack to allow for building interconnect or inbound/outbound AV traffic without the network

Phil Knobloch
AV Services Manager
Purdue University ITaP ITCR Learning Spaces
AV and Technology Support
AV and Technology Support

- Two fiber to each library and classroom space with an equipment rack to allow for building interconnect or inbound/outbound AV traffic without the network
- Overflow capabilities via the classroom equipment design allowing for multi-room collaboration
- AV display (projectors/flat panels) placements were closely weighed against the furniture placement and room style, for student sightlines (projectors configured as double-doubles, triples, and room wraps)
- Focused on offering 3 different levels of instructional capabilities of signal routing, “low-med-high” for instructional needs
- Built into the building schedule, a formal faculty AV technology training piece to educate and provide comfort
- Designed in 3-D and high speed wide format printing from the start
- Designed in a library space with a high resolution tiled display for large resolution imagery needs – D-VELoP Data Visualization and Experience Lab of Purdue
Thomas S. and Harvey D. Wilmeth
Active Learning Center

FLOOR PLANS
Lower Level
(Below Grade)

5 Classrooms
1st Floor

5 Classrooms

Open Study

BoilerUp
108 Sta.
Wedge Tables for 6
Dual Projection 1 End

SCALE-UP
72 Sta. High-Tech
8 Flat Panels
Dual Proj. Both Ends

BoilerUp
180 Sta.
Wedge Tables for 6
Dual Projection 1 End

Au Bon Pain Restaurant

Service Desk

Open Study

Performance
325 Sta.
Theatre Seating
Dual & 16:9 Projection
2nd Floor

- Open Study
- Libraries Quiet Study & Stacks
- Libraries Offices
- Public Computers 4 Locations this floor
- 7 Classrooms
3rd Floor

10 Classrooms
Good Morning!

126 seat Mobile Table Chair Classroom (so neat and orderly)
Chaotic Disarray…
The rest of the day … *(not for the faint of heart)*
Purdue University Libraries Will Host:

The WALC: A Forum
April 2018

Limited to 100 participants