WELCOME - HEFMA 2005 - TO PSU!
UCIF, UCIF-Sub-Committee &
General-Purpose Classrooms
University Committee on Instructional Facilities - UCIF

- Mission, Vision, Guiding Principles and Strategic Directions
- Where we were in 1996
- What happened since 1997
- Where to after 2005
University Committee on Instructional Facilities
15 MEMBERS

- Nicole Belolan, Academic Assembly (Student Representative)
- William Bishop, Media & Technology Support Services
- Deborah Blythe, Facilities Resources and Planning
- Rebecca Carolus, Info Tech Services, Tech Classroom Support
- Joseph Cecere, Faculty Senate Campus Representative
- Karen Duncan, Registrar’s Office
- Renata Engel, Schreyer Institute for Innovation in Learning
UCIF MEMBERS (cont.)

γ Yvonne Gaudelias, Administrative Council on Undergraduate Education

γ Graham Glynn, Commonwealth College

γ Dan Hagen, Faculty Senate

γ John Harwood, Information Technology Services

γ Jan Jacobs, Chair, Vice Provost & Dean for Undergraduate Education

γ Robert Myrick, UCIF Facilities Coordinator, FR&P

γ Paul Peworchik, Computer and Information Systems

γ William Welsh, Disability Services
UCIF Sub-committee
15 Members

- Dave Bagley, Media & Technology Support Services
- Lisa Berkey/Ron Gurskey, Project Management, OPP
- Bill Bishop, Director, Media & Technology Support Services
- Deb Blythe, FR & P, OPP
- Becky Carolus, Chair, ITS-TLT
- Ron Dodson, ITS-TNS – Office of Telecommunications
- Ed (Skip) Eagles, ITS-TNS, Lab & Classroom Support
- Chuck Enfield, Office of Telecommunications
UCIF Sub-committee - con’t

γ John Harwood or Mike Halm, ITS
γ Dave Hollen, ITS, Lab/Classroom Support, Network Ops
γ Penny Kowalski, Registrar’s Office
γ Bob Myrick, UCIF Facility Coordinator, FR&P, OPP
γ Paul Peworchik, Computer & Information Systems
γ Mary Ramsey, ITS, Software
γ Don Reed, University Safety
UCIF Mission Statement - then and now

- To act as change agents and stewards of the generally scheduled instructional and learning facilities at The Pennsylvania State University for the faculty and students.
UCIF Vision Statement - then and now

- To anticipate and facilitate the improvement and transformation of instructional and learning spaces to meet the needs of academic programs and course offerings.
Guiding Principles - then and now

1. In an era of changing and growing facility, funding and service demands, the UCIF must act as *guardians of existing resources* to assure an adequate inventory of generally scheduled instructional and learning facilities are available *to support enrollments.*
2. The UCIF will encourage experimentation with new instructional and learning models and systems by providing facilities advice, support, available resources and guidance in a creative, innovative, and flexible manner. The UCIF will continue to seek to expand the knowledge and expertise of members.
3. Improvement and renovation projects funded through the UCIF will be developed with the support and *needs of the general academic community as a first priority*. The UCIF will encourage and be open to new and revolutionary approaches to learning.
4. The UCIF will continue to be a highly collaborative effort across many University offices and agencies in guiding change, project planning, and maintaining and equipping enhanced instructional and learning facilities.
5. The representative units of the UCIF will continue to work in a sharing environment with a cooperative spirit to pool resources and talents.
Guiding Principles - continued

6. It is important that the UCIF become a *free-standing strategic planning unit* with an identity, high level *communication forum* and an annual *consistent resource allocation.*
Strategic Directions for Instructional & Learning Spaces

- Provide Leadership In Innovative Instruction and Learning
- Provide Basic Instructional and Learning Environment
- Obtain Annual Operating, Project, and Life-Cycle Funds
Strategic Directions for Instructional & Learning Spaces

- Assure All Resources Are Used To Full Capacity
- Improve Information Dissemination
- Administration Actions of UCIF
Where We Were in 2002

- In 2002 - Secretary of Education indicated that 90% of high school students had computers.
- In 2002 - 70% of internet users were 10-17 years old.
360 General Purpose Classrooms
341,689 ASF in GPCs (UP ASF = 11,378,892) – 2.9% of total ASF in GPCs
Foot candles – low: 7; average: 45; high: 105
Coat racks in 39
Clocks in 180 (mostly in IT podiums)
Seats in GPCs – 21,724
13.1% of seats are for large (in any dimension) or wheelchair users
33.8% of seats available for left handed users
## U.P. Classroom Statistics

<table>
<thead>
<tr>
<th>SEATING TYPE/ SQ. FT.</th>
<th>MIN</th>
<th>AVE</th>
<th>MAX</th>
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<tbody>
<tr>
<td>Auditorium Seating</td>
<td>7.93</td>
<td>10.56</td>
<td>17.41</td>
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<td>Auditorium Seats w/ lapboards</td>
<td>13.03</td>
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<tr>
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<td>Stacking Student Tables &amp; Chairs</td>
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<td>Combinations of seating types</td>
<td>12.64</td>
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Where We Were in 1996
Instructional Space Funding History - General Allocation

- Before Strategic Plan
- Temp Funds
- OPP Major Maint
- Allocation

Allocations:
- $0
- $200,000
- $400,000
- $600,000
- $800,000
- $1,000,000
- $1,200,000
- $1,400,000
- $1,600,000
- $1,800,000
- $2,000,000
- $2,200,000
- $2,400,000
- $2,600,000

Fiscal Years:
- 93/94
- 94/95
- 95/96
- 96/97
Instructional Space Funding History at All PSU Campuses

Before Strategic Plan

<table>
<thead>
<tr>
<th>Year</th>
<th>UP</th>
<th>Campuses</th>
<th>Contribution</th>
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<tr>
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UP GPCs - Permanent Technology
Installations through Fall 1996

Before Strategic Plan

1991/92: 0
1992/93: 11
1993/94: 16
1994/95: 16
1995/96: 17
1996/97: 24
1997/98: Fall 96 GPCs = 288

Fall 96 GPCs = 288
FY 1996-97

Fall 96 GPCs = 288

Loose Tablet Armchairs
43%
124

Stacking Tables/Chairs
0%

Moveable Tables
21%
61

Fixed Tables
36%
103

GPCs at UP by Seat Type

(103)
(61)
What Has Happened Since 1997

- Project & Photo Examples
- Raise any Questions you may have during presentation
UP – Armsby - 215 - Instructional Technology

Classroom

- Zoned lighting 55 fc to 2 fc
- Electronic Lighting Control
- Instructional Technology
- Major Room and Floor Changes
- Window Coverings
- Priority Scheduled

Example of 6/02 Before and 11/03 After Photos
UP - Boucke 214 - 11/6/98 Before, 9/22/99 and 8/30/04 Photos

Before
126 Seats

<2000
82 Seats

2004>
UP - Cedar - 134 - 8/01 Before and 8/02 After Photos

- Changed to Instruction Tech/Computer Lab/Classroom
- 60 seats
- Carpeted
- Minimal changes
- Change Funded by ITS-TLT
UP – Chemistry Bldg – People Friendly Spaces
Example of 6/11/04 and 8/23/04 Photos
UP – New Chemistry Bldg. 102 - 8/23/04 Photos

- ITEC
- 70 Seat mini-auditorium
- ADA Accessible
- Media Cabinet at rear

- Multi-functional classroom space
Make ADA accessible upper and ground tiers
All kinds of tech capabilities
Group work at 155 student stations
Carpeting & programmed lighting
No chalkboards, rear projection screen
Make ADA accessible
Tech eqmt storage behind sliding chalkboards
Much glass on corridor & outside walls
Carpeting & programmed lighting
- 4/01 Before and 8/02 After Photos

- Added instructional tech to classroom
- New flooring, ceiling, lights, paint, cabling
- Some classroom furniture upgrades
- New screens, whiteboards, window coverings
- Stage at front & booth at rear removed

Before 182 AUDA

After 176 AUDA
UP - Deike – Instructional Technology Classrooms

9/03 After

- Priority Scheduled – co-funded project
- Total Renovations
- Furniture
- New screens, chalkboards, window coverings
- Lighting & Electrical
- HVAC Redo
UP – Deike People Friendly Spaces - 6/11/04 Photos
Example of 9/18/01 Before and 6/10/04 After Photos

- Get rid of cave effect at front
- Make chalkboard easier to read
- Added lights
UP - Ferguson 105 - 6/2/98 Before and 10/7/98 After Photos

Before
92 Seats

After
32 Seats
UP – Life Sciences People Spaces - 1/20/05 Photos

- Make ADA accessible
- Provide places to sit when waiting for class changes other than on floor
- Provide counters for computer workstations
- Adding wireless system for laptops
Make ADA accessible w/ ITEC
Provide different configurations to allow easy room arrangements
Carpet and furniture
Chalkboard and CB lights
UP – Life Sciences 013 & 100 Classroom
12/1/04 Photos

- Provide ITEC & Make ADA accessible
- Allow easy room re-arrangements
- Carpet and furniture
- Chalkboard and CB lights

013 w/ rear prep area for bio-science

100 lecture auditorium

Carpet and furniture
Chalkboard and CB lights
Acoustic treatment to help solve echo problem

Before and After Photos

Before

After
UP - Kern - 112
- 3/01 Before and 9/02 After Photos

--seat 319
- New IT classroom
- New carpet, ceiling, electrical, lighting
- New Ramp to comply with ADA
- Walls redone and painted or stained
- Doors and hardware upgraded
- Stage removed & floor raised 2’
- Reno design influenced by Faculty Senate, College of Communications, evening film series, & GPC needs

Before

After
UP – Pond 104 (101, 102 & 103 similar) -

Example of 2/20/03 Before and 8/30/04 After Photos

- Total reno of former CIS space
- Created (4) 12 person classrooms
- ITEC added to each room (104 has a “Walk and Talk” board
- All finishes, furniture, electrical, lighting, etc. are new

Before

After
Example of 2/20/03 Before and 8/30/04 After Photos

- Total reno of former CIS space
- Created 20 & 25 person classrooms
- ITEC added to each room (123 has a “Walk and Talk” board)
- All finishes, furniture, electrical, lighting, etc. are new

UP – Pond 123 (122 similar) -
**UP – Rackley 104 - Instructional Technology**

**Classrooms** - 6/02 Before and 1/04 After Photos

- Total building renovation created 3 totally new GPCs on **ground floor** & upgraded 1 GPC-lab
- All new finishes, lighting, furniture, window coverings
- Central Heating & Air-conditioning of all classrooms

- Carpeting
- Dimming lights
- Two screens per room
- 2 layer window covering
- Power raceway at front
- Technology
UP – Rackley 105 - Instructional Technology
Classrooms - 12/99 Before and 1/04 After Photos

Before (example of former 214)

After
Examples of more student spaces in public areas outside classrooms

UP – Rackley - 4/8/04 After Photos
UP – Reber 135 - Example of 1/9/04 Before and 8/23/04 After Photos

- Make ADA accessible seating (replace 110 failing JG seating)
- Remove platform (not done)
- Change room entry to 3’ & 2’ wide doors for ADA access

Before

After – w/ dual tablet arm auditorium seats & four SSTs
UP - Willard 064

Before Photos

- 1/5/98 Before and 10/7/98 After Photos

142 Seats

After Photos

60 Seats

UP - Willard 064
UP - Willard 373 - 4/99 & 3/00 Before and 8/03 After Photos

Before

After
Altoona – Hawthorn Bldg 234 & 253 - New - 4/20/05 Photos

- Computer lab w/ MS & Mac stations
- Wireless also in room
- New Furniture
- Carpeted floors
- Clocks & pencil sharpeners

Computer Lab 234

Mac Classroom / Comp Lab 253
Altoona – Hawthorn Bldg 259 - New 4/20/05 After Photos

- Classroom-Computer lab w/ MS stations
- Wireless also in room
- New Furniture (flip tops for monitors)
- Carpeted floors
- Clocks & pencil sharpeners

Flip-top computer stations
Before and After Photos

DuBois - Swift 3B

- Before: 10/4/00
- After: 12/13/01
LV - Academic 123 - Before and 3/28/00 After Photos
PS Harrisburg - Olmsted
Basement

- Create a new computer center w/ 4 computer classrooms
- New electric screen & technology
- New electrical, lighting, room finishes, HVAC
- Total renovation efforts
Olmsted Basement - 3/16/04 During Photos

Basement before demolition

Demolition in progress

Plan for Renovated Area
Capital College–Harrisburg – Olmsted Comp Labs C12-C15

Example of 10/9/03 Before and 7/1/04 After Photos

- Change from Cafeteria to Tech Classrooms
- Total renovation

Before

After Plan

C012 After

C014 After

C015 After

C012

C014

C015

After Plan

C012

C014

C015
PS Harrisburg - Olmsted
C200 – Multimedia
Collaborative & IT Classroom

- Major demolition & renovations
- New electrical, lighting, room finishes, HVAC
- New furniture
- New technology
- Total renovation efforts
Before Plan

After Plan

Olmsted C200 - 12/23/03 During Photos
Capital College – Harrisburg – Engineering Lab 100

Example of ? Before and 7/1/04 After Photos

∨ Change to ITE engineering/drafting-graphics lab
∨ New Furniture
∨ New window treatment
∨ New carpet & paint
∨ New wiring, lighting & white boards
W-S - Dawson 212 - 3/23/00 Before and 12/13/00 After Photos

Before
No Chairs

After
20 Chairs
Classroom & Technology
Design & Construction
Minimum Requirements
Partial “Requirements” Index

✓ 01.10 Background & Bldg Noises at or near GPCs
✓ 01.11 Generalized Design Considerations
✓ 08.00 Doors
✓ 08.50 Windows
✓ 09.20 Walls
✓ 09.50 Ceilings
✓ 09.60 Floors
Partial “Requirements” Index (con’t)

✓ 10.11 Chalkboards
✓ 10.42 Room Signs
✓ 11.13 Projection Screens
✓ 12.49 Window Coverings
✓ 12.60 Furnishings
✓ 13.20 Asbestos
✓ 15.00 Plbg, htg, vent & related noises
Partial “Requirements” Index (con’t)

✓ 16.00 Switch & Device Plate Layouts
✓ 16.05 Convenience & Duplex Outlets
✓ 16.10 Conduits, Wire ways, etc.
✓ 16.51 GPC Lights & Lighting Controls
✓ 16.52 GPC Emergency Lights
✓ 16.53 GPC Emergency Exit Light Signs
✓ 16.54 Corridor Lighting Outside GPCs
Partial “Requirements” Index (con’t)

✓ 16.70 Telephones
✓ 16.80 Sound Systems
✓ 16.90 Audio-Visual & Technology

The PSU Classroom Design
Requirements can be found at:

http://clc.its.psu.edu/Classrooms/Design/

(Use “Design Requirements PDF” below heading to print out a copy)
Common Questions
What about Instr. Tech. Labs/Classrooms @ U.P.?

✓ Are happening with departments turning over their space to GPCs so that ITS-TLT will take care of tech equipment

✓ Often negotiations happen between entities – as examples: FR&P, ITS-TLT, FC – and the Department or College (Osmond 216, Patterson 302, 304, 401, Forest Resources, Chambers 202, 205, EES 120)

✓ Usually very little renovation work done – not always best spaces until renovation can occur
How do we track classroom conditions @ U.P.?

- By feedback from instructors / students / department contacts
- By FC personal visits to rooms
- By checking on reported issues
- By feedback from UCIF Sub-com members
- Facility condition audits – last done in 2003
How are classroom deficiencies addressed?

- For problem on existing item, use OPP web page work assignment (WA) submittal
- For new room items, the UCIF budget may be used to install item using the WA system (example - 2nd screen)
- For items missing, area service or evening crew is contacted to replace item (chairs, table top podiums, signs)
How are improvements prioritized?

- By university driven priorities & initiatives (ex. Studio physics, instructional tech in classrooms)
- At UP in most recent years, converting dept classrooms into GP ones
- By matching dollar contributions from colleges, departments and other campuses
- By classroom/student size - larger ones getting upgrades first – as influenced by scheduling
- By user feedback to UCIF and UCIF setting priority
How are classroom improvements driven?

- By applying the holistic approach endorsed by the UCIF & following codes.
- By considering ADA, lighting needs, window covering & instructional flexibility issues.
- By considering instructional technology, HVAC issues & room finish upgrades.
- By involving main room users & UCIF-Sub-committee members in program / design / construction.
Classroom improvements and Maintenance at locations away from University Park
General-Purpose Classrooms
Commonwealth Campus and College Locations

✓ No universal classroom standard exists
✓ System-wide classroom priorities are not established or maintained
✓ Each Campus initiates Classroom Improvements
  ✓ List defined by CEO, DBS, DAA, Registrar, Etc.
    ✓ Includes input from faculty
    ✓ Considers recommendations and guidelines from UCIF
✓ Funded through various and combined sources
General-Purpose Classrooms
Commonwealth Campus and College Locations

Funding Sources:
• Capital Improvement Projects (building wide)
• UCIF (or combined funding)
• Campus
• Major Maintenance
  – Campus prioritized list
  – Competes against other Major Maintenance priorities
  – Replacement in kind in lieu of upgrade
How UCIF works w/ other campuses?

- Requests & receives proposals from campuses on prioritized classroom needs
- Develops annual improvement program based on:
  - Degree of existing instructional technology
  - Programs offered
  - Availability of matching campus funding
  - Equitable distribution of UCIF funding
  - University educational initiatives
What Happened Since 1997
Instructional Space Funding
History - General Allocation

Before Strategic Plan

Total Allocations
FY93-94 through FY04-05
$16,257,000
Total Matching Funds FY93-94 through FY04-05 = $5,985,033
Instructional Technology GPCs at UP in Fall 1996, 2001 and 2005

GPCs w/ IT Fall 2005 = 209 Total
GPCs at UP by Seat Type

FY 1996-97

Fall 96 GPCs = 288

FALL 2005

Fall 05 GPCs = 360

Loose Tablet Armchairs
43% (124)

Stacking Tables / Chairs
0%

Fixed Seats
36% (103)

Moveable Tables / Chairs
21% (61)

Moveable Tables / Chairs
13% (48)

Fixed Tables / Moving Chairs
15% (53)

Stacking Tables / Chairs
20% (73)

Loose Tablet Armchairs
31% (110)

Fixed Seats
21% (76)
Permanent Technology Installations in UP GPCs through FY 2005-06

FALL 05 Total GPCs = 360

Before Strategic Plan

Classroom count

Fiscal year


0 11 16 16 17 24 28 61 63 114 144 161 182 192 223
Seat Count vs. Enrollment

<table>
<thead>
<tr>
<th>Year</th>
<th>Seats</th>
<th>Enrollment</th>
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<tr>
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<td>FA98</td>
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<tr>
<td>FA05</td>
<td>360</td>
<td>N/A</td>
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Bar chart showing the comparison between seat counts and enrollment for different years, with bars indicating the number of seats and enrollment for each year.
Major Challenges for the Future
University Wide

- Continue fixing up older GPCs everywhere
  - At UP over 60 classroom improvements with estimated costs over $7,000,000 at UP alone, with much more to be done
  - At other campuses over 48 rooms with estimated costs over $4,100,000
- HVAC room noise/hearing problems
- Window covering and flooring issues
- Active learning uses more space for same seat count - conflicts w/ increasing enrollments
At U.P.

- Continued need for more instructional technology rooms - rooms being heavily booked
- Room upgrades needed for several instructional technology classroom/labs inherited by the UCIF from departments - not on the estimated list of items
- Need to replace lighting in many sub-standard rooms not on the estimated list
Where to From 2005
Where to from here?

- Some classrooms not easily reconfigured for flexible & Instructional Technology rooms
  - Due to low ceilings, bad door or other penetration placements (Hammond)
  - Bowling alley or square proportions
  - Columns in the space
  - Not easily accessed to comply with ADA
  - Noise

- Phase out such GPCs after replacing with better space
Summary

- Where we were in 1996
- Guiding considerations
- What we did
- Where we are now
- Where to after 2005
The End

Beaver Stadium
SSTs (student stacking tables)

Penn States SSTs - KI “Intellect” 20” x 26” x 32”h, black edges, blue top, chrome frames - Approx $77 each

Corbett, Inc, Attn: David Whiting
3457 Babcock Blvd, Pittsburgh, PA 15237
412-635-7740  Fax: 412-635-7910
Email: david.whiting@KI.com
Web: www.ki-inc.com
Thonet Stacking Student Chairs
Chairs (for use with SSTs)

**Thonet** Wafer Collection Style #5290 High Densitiy Polypropylene on Powder coated frame - approx. $77 each

**McCartney’s**, Attn: Mary Beth Schmidhamer
PO Box 1714, Altoona, PA 16603
800-548-4138  Fax: 814-949-6116
mbschmidhamer@mccartneys.com
Web: www.mccartneys.com
Instructor’s Tables
Instructor’s Table

Maywood Furniture Corp. (24” x 60”) Training Table, Laminated Plastic Top & Modesty Panel (natural oak), VFE black vinyl edge color, black steel tube chassis - approx. $500 each

Educational Furniture Solutions:
Attn: Kevin Christman
305 Woodcrest Circle, Limerick, PA 19468
610-630-3995  Fax: 610-630-3915
Email: kevin.christman@KI.com
Web: www.maywood.com
Technology Podiums

Instructor Tech Podium (29”d x 59”l x 36”h) or 24”d x 36”l x 42”h - oak - $995 each

Spectra Wood, Inc, Attn: Randy Holsopple
2651 Carolean Industrial Dr, State College, PA 16801
814-238-6332