

Presenters

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Opsis Architecture

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University of Oregon

Acknowledgement:

Mark Young Principal and Project Manager

Rowell Brokaw Architects

Learning Outcomes

- Learn collaborative processes that support integrated planning/design approach
- Learn processes to evaluate value of existing elements in historic structures
- Identify micro-site in campus core to leverage land value and strengthen cohesive campus environment
- Illustrate innovative design of a multi-level 500-seat lecture hall

University of Oregon Campus



Historical Texture / Modern Pedagogy







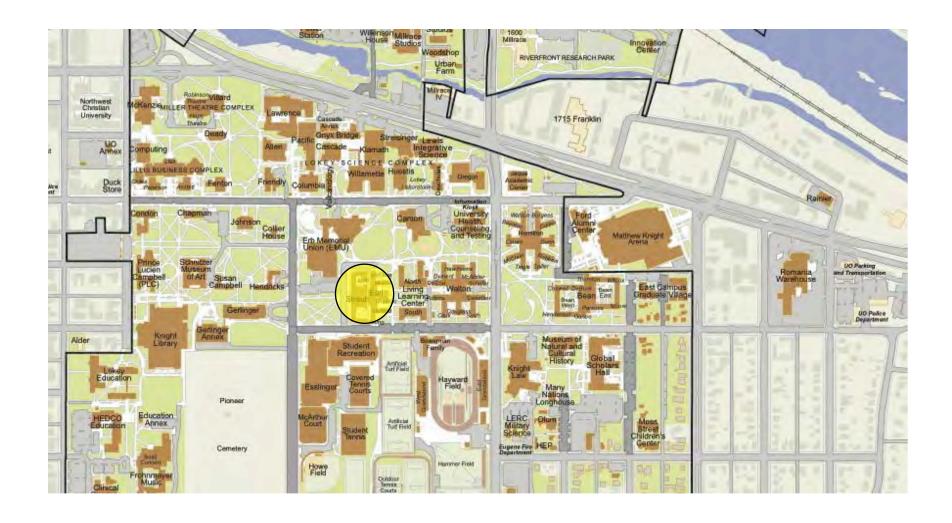




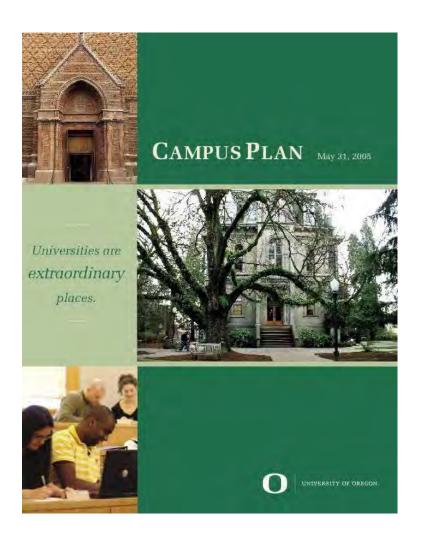
Straub Hall Renovation / Expansion



Campus Map / Project Site



Campus Plan and Vision



The University of
Oregon's campus will
be responsive to the
needs of its occupants,
adaptable to emerging
opportunities, and
beautiful to behold

Campus Plan Policies

Policy 1 **Process & Participation**



Policy 4 **Space Use & Organization**



Policy 2
Open Space
Framework



Policy 5 **Replacement of Displaced Uses**



Policy 3 **Densities**



Policy 6 **Maintenance & Building Services**



Campus Plan Policies

Policy 7

Architectural

Style & Historic

Preservation



Policy 10 **Sustainable Development**



Policy 8
Universal
Access



Policy 11 **Patterns**









Policy 9 **Transportation**



Policy 12 **Design Area Special Conditions**



Policy 1 - Process and Participation

Project User Group

- Psychology Department
- Linguistics Department
- Student Housing
- Registrar
- Architecture Faculty
- CPC Liaison
- Neighbor
- Staff
- Operations & Facilities
- Planning & Design



Policy 1 - Process and Participation

Integrated Design Process

- Architect
- Consultants
- Contractor
- UO Operations / Facilities
- User Group Representative

Project Approval Process

- Campus Planning Committee
- Architecture Commission



Policy 2 - Open Space Framework

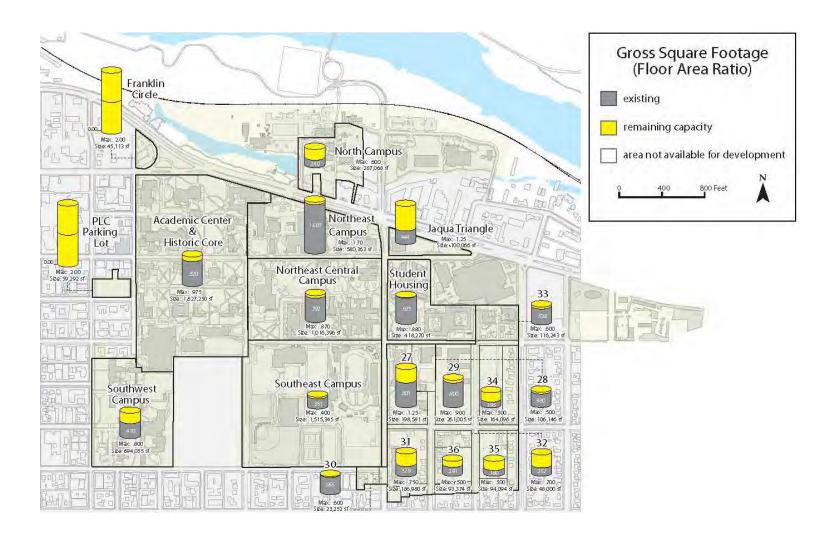








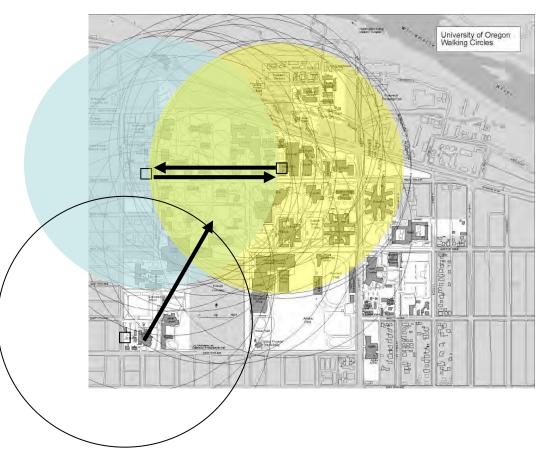
Policy 3 - Densities



Policy 4 - Space Use and Organization





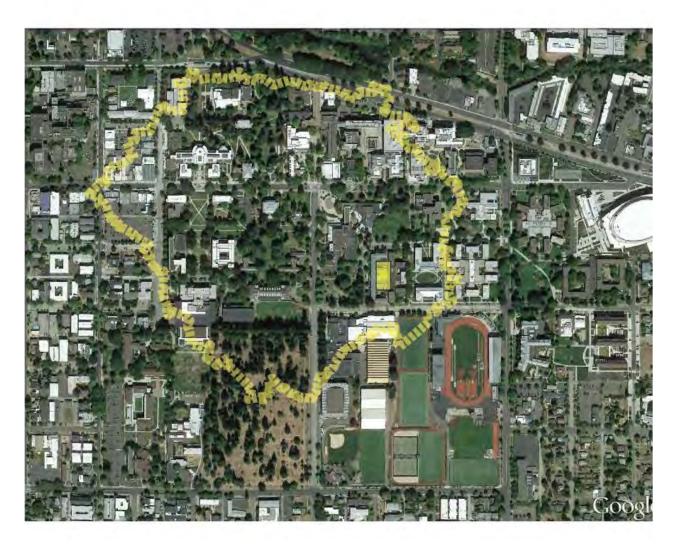


7-Minute Walking Radius

Policy 4 - Space Use and Organization







Policy 7 - Architectural Style & Historic Preservation

- Composition
- Relation to Sky
- Details
- Rhythm
- Entrances









Policy 10 - Oregon Model for Sustainable Development

Energy

- Net zero increase in campus use for new development
- 35% more efficient than Oregon Energy Code

Water

- Improve quality of campus stormwater
- Focus on streets and parking

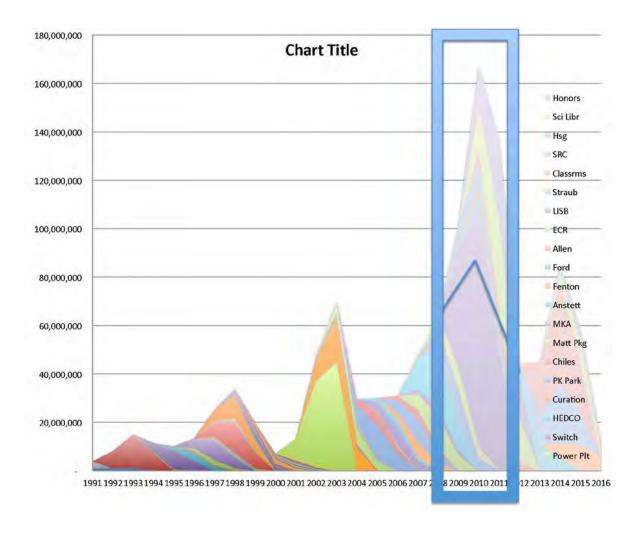
People

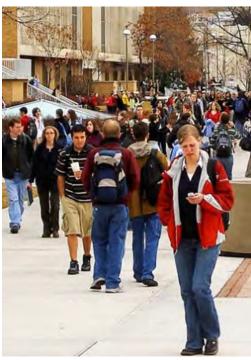
Shift in occupant behavior

LEED Gold Certification

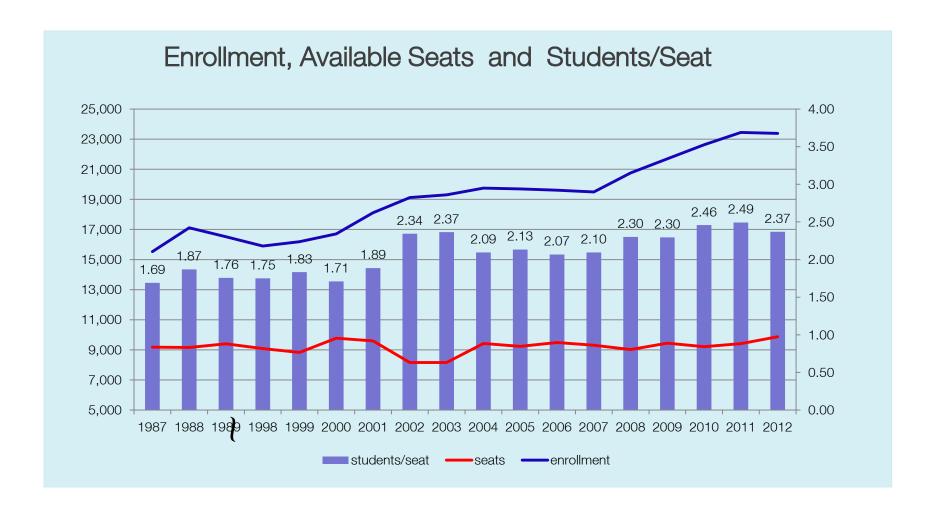


Campus Growth - Past 20 Years





Growth and Enrollment Projection



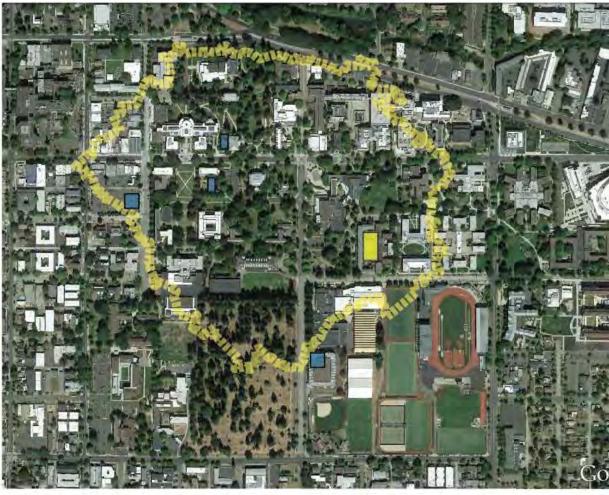
Columbia 150 - Existing 500 Seat Lecture Hall



Possible Lecture Hall Sites







Identified Needs - Classroom Committee

Optimal Desired New Classrooms Compared to Capital Construction List

											ASF	Cost	Seat Count
					Χ	Х	Χ	Х	Х	Х			
Ontimal		Х	Χ	X	Χ	Х	Χ	Χ	Χ	Х			
Optimal Desired		600 best practices	l l				6-50 to 6-100 to 80 40						2,100
								x x x					
		Х			Х			х	х	Х			
Straub Addition		550 standard						2-7 sea 4-6	its*				
Remodel		w/balcony			94 :	seat	S	sea			19,400	22,000,000	1,044

Identified Needs - Classroom Committee

Optimal Desired New Classrooms Compared to Capital Construction List

					1					ASF	Cost	Seat Count
	Х	l _v		X X	X	X X	X X	_	X			
Optimal	600 best	3-30 X	0 best	Χ	Χ	Χ	_	X 50 to	X			
Desired	practices			6-1	00 to	o 80		00 10	,	30,600		2,100
	•						Х	Х	Х			
	Х			Х			Х		Х			
Straub							2-7					
Addition	550							ats*				
Remodel	standard				seats		4-6	51 ats*		10 400	22,000,000	1,044
Remodel	w/balcony			74 3	Seats		Sec	115		19,400	22,000,000	1,044
		<u></u>		X								
Global		X 300 k	-	X								
Studies		pract		100	sea	ts				7,350	5,365,000	400
	•	•										
		х		Х	Х							
PLC Parking		300 k						-				
Lot		pract	2-1	00 s	<u> </u>			8,250	6,250,000	500		
		Х		Χ	Χ		Х	Χ	Χ			
		300 k					3-6					F00
AAA	practices				sea	seats*			7,680	6,250,000	580	
			1	Х	X	X	X		Х			
	Х	Х	Х	Х	Χ	Χ	X	_	Χ			
					2-78 seats*							
0	550						4- <i>6</i>					
Cumulative	standard	3-30	0 best	4-1	00 s	eats	seats* 3-					
Total	w/ balcony	prac	ctices	1-94 seats 60 seats*								2,524

Leverage Straub Hall Renovation



Straub Hall Renovation / Addition

Renovation 80,000sf

- Psychology Department
- Linguistic Department

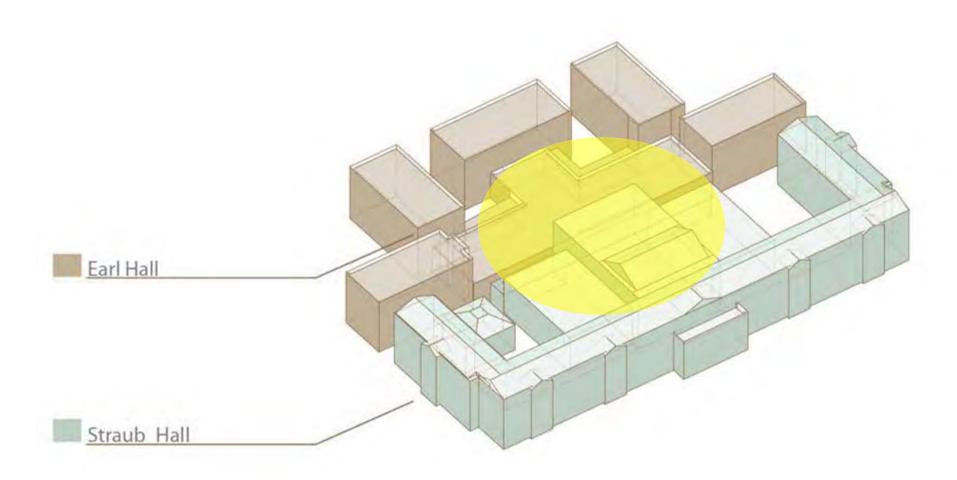
New Classrooms 30,000sf

- 518 seat lecture hall
- 142 seat lecture hall
- 100 seat classroom
- (2) 32 seat classrooms
- (4) 36 seat classrooms
- Informal learning





Underutilized Land in Core Campus



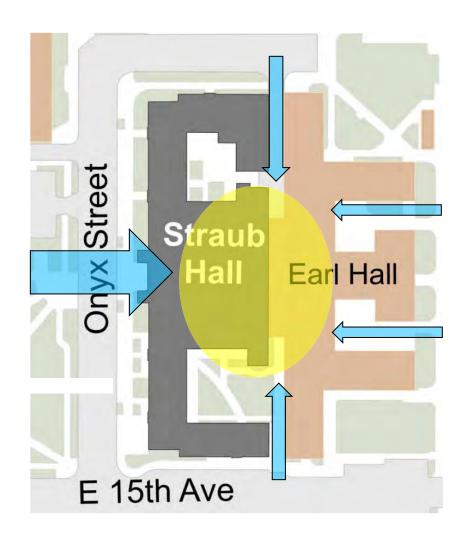
Link Straub with Earl Residence Hall



Straub Academic Hall



Earl Residence Hall



Campus Connectivity

Link Core Campus Projects

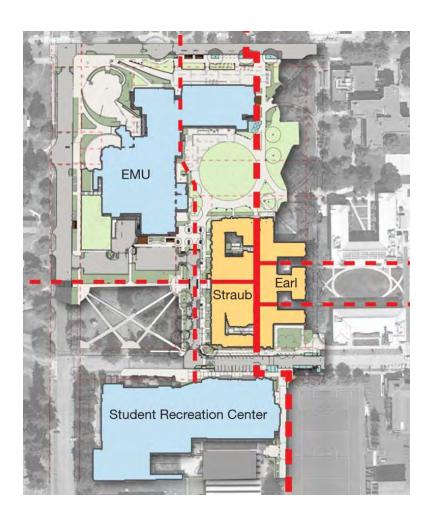
- Student Union Renov / Expansion
- SRC Renov / Expansion

Interconnect Buildings

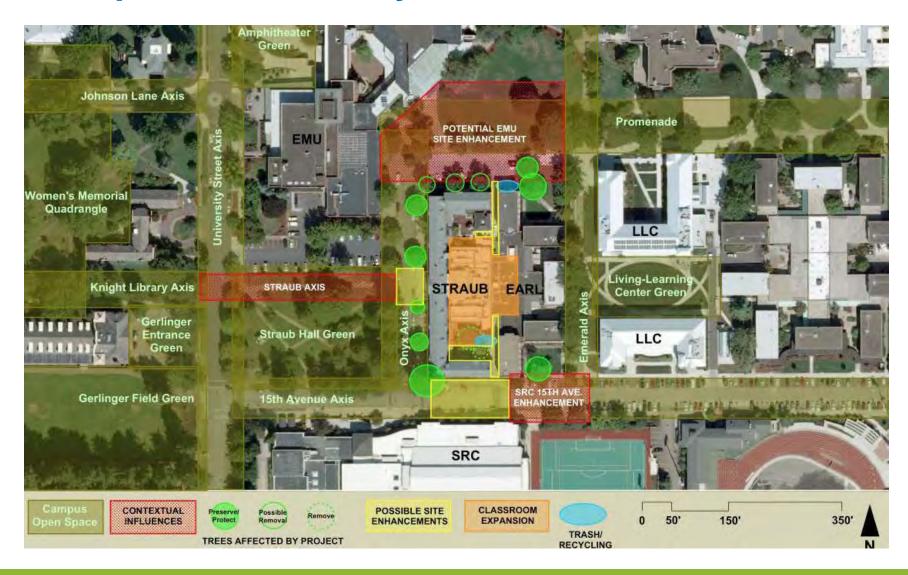
- Academics
- Housing

Enhance Open Space

New Pedestrian Connections



Campus Connectivity



Transform Alley into Pedestrian Pathway



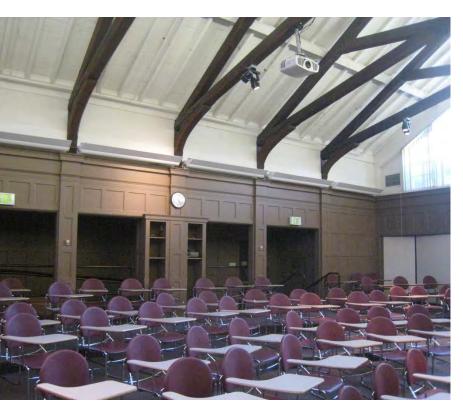
Existing Service Alley







Master Plan Process - Sophie's Choice



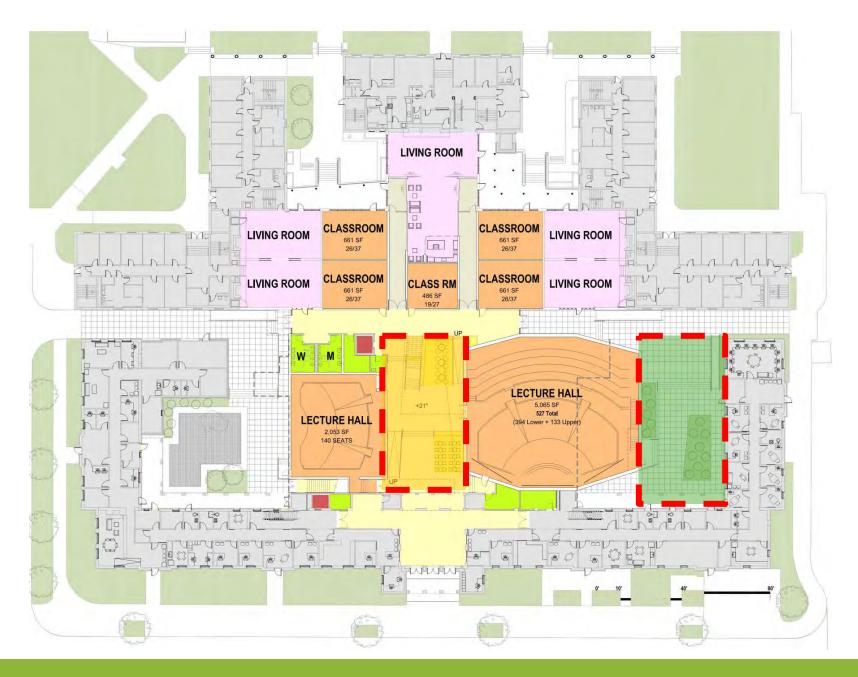
Historic Gable Dining Room

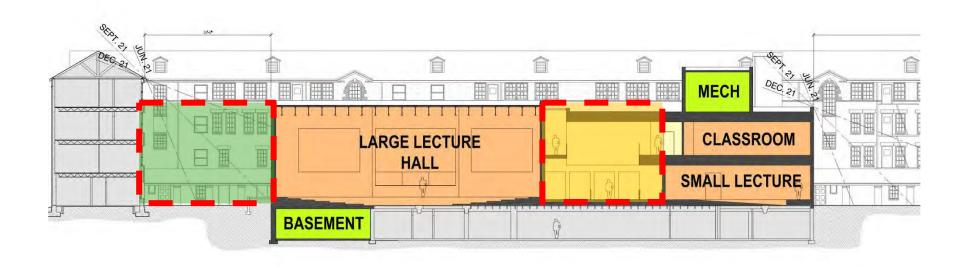


Historic South Courtyard

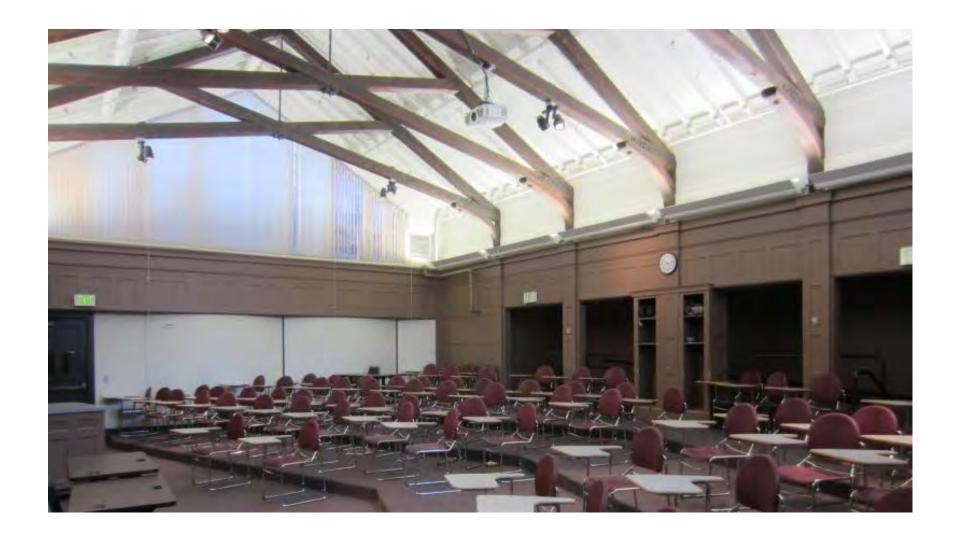
Option - Retain Historic Courtyard

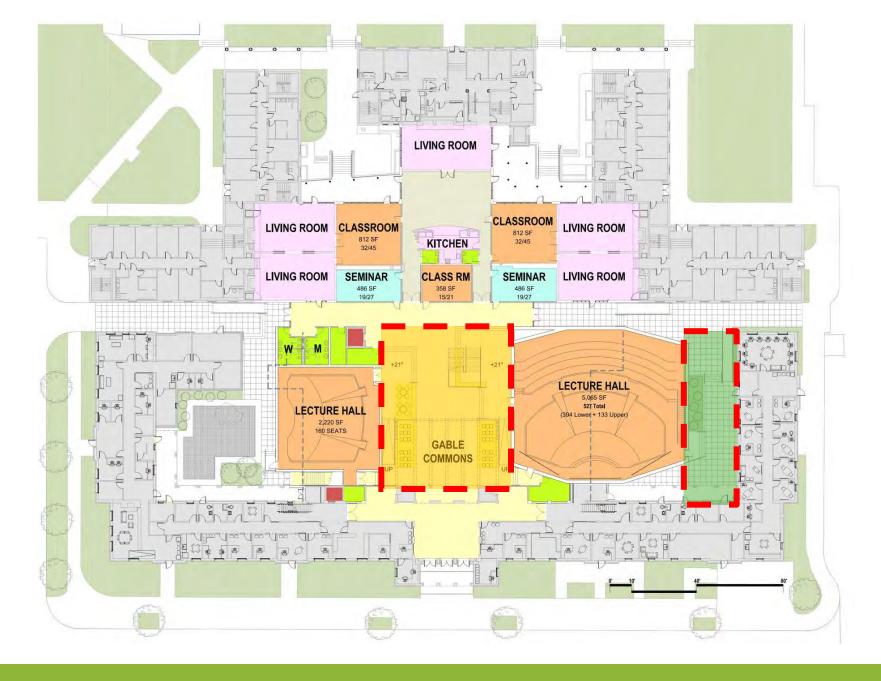


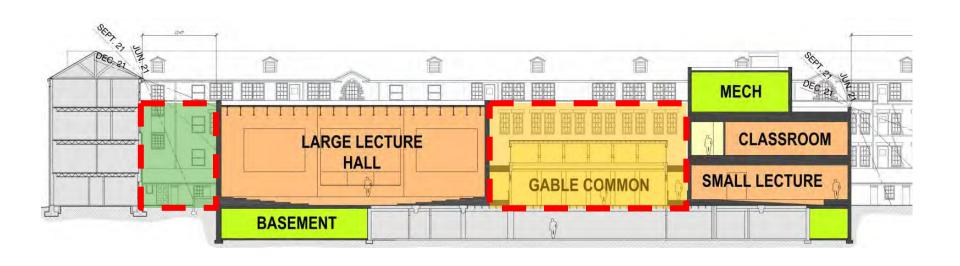




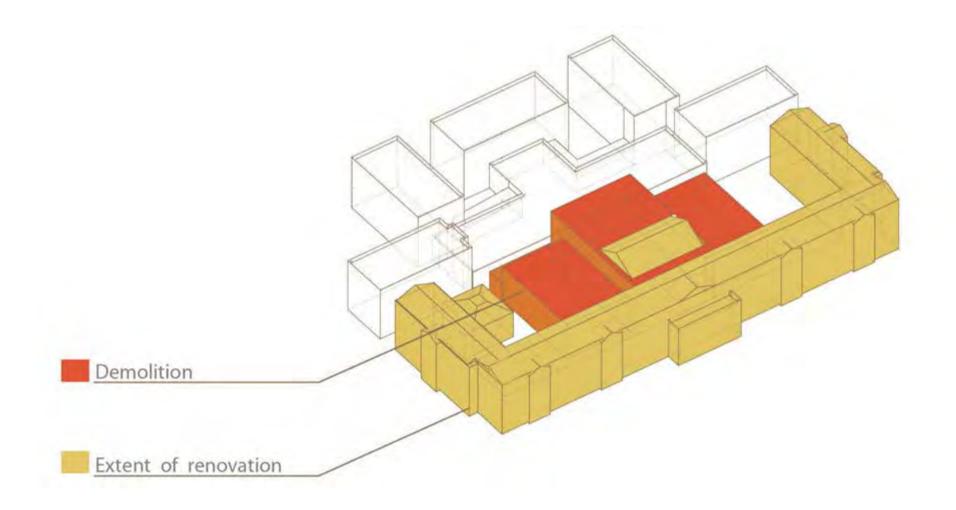
Option - Retain Historic Gable Dining Room



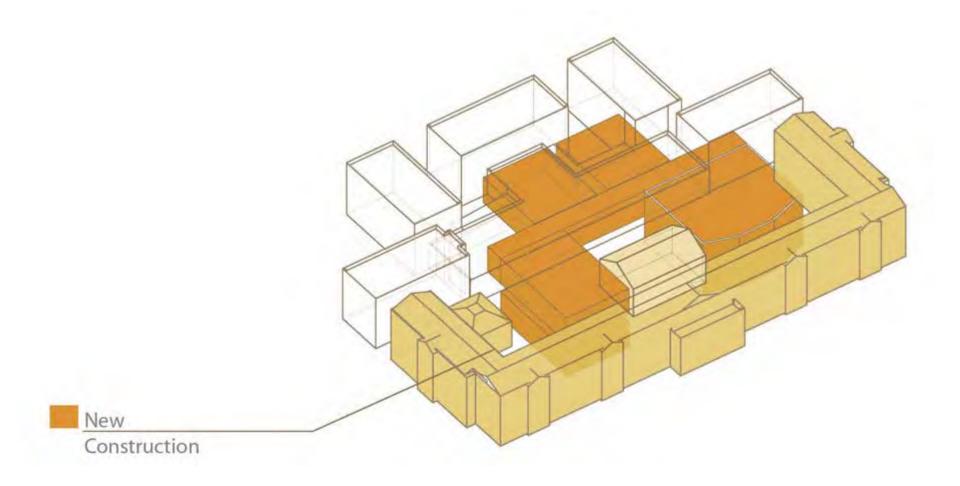




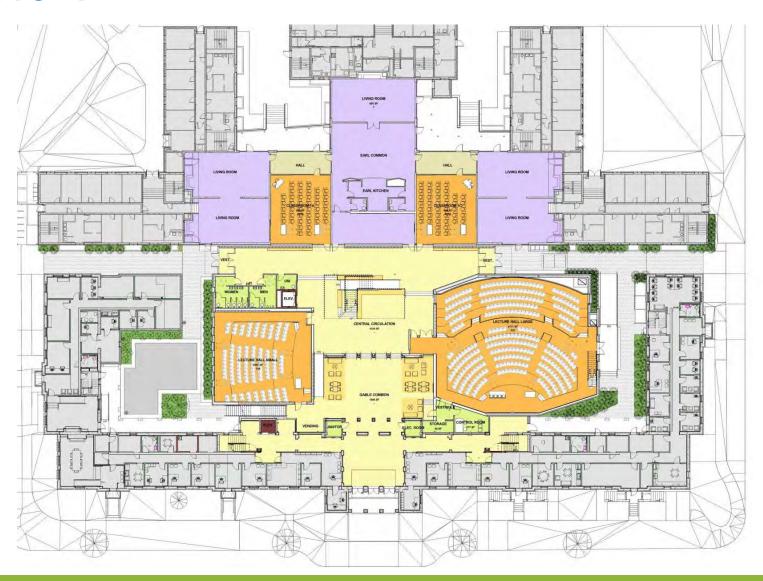
Retain Gable Commons / Demolition



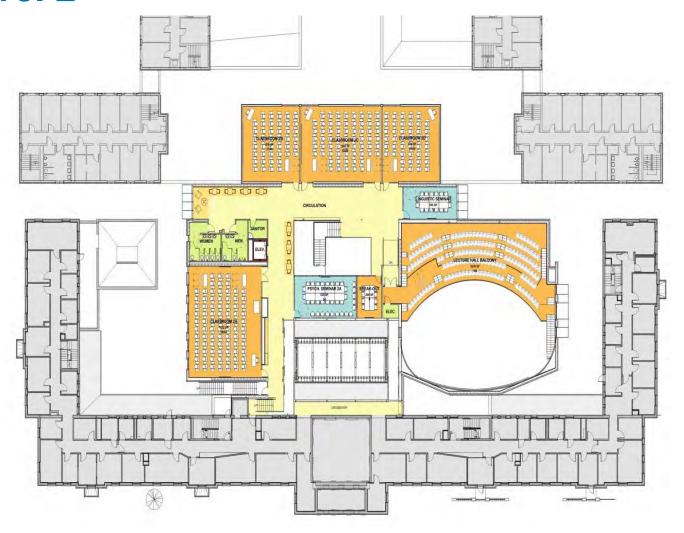
Classroom Expansion



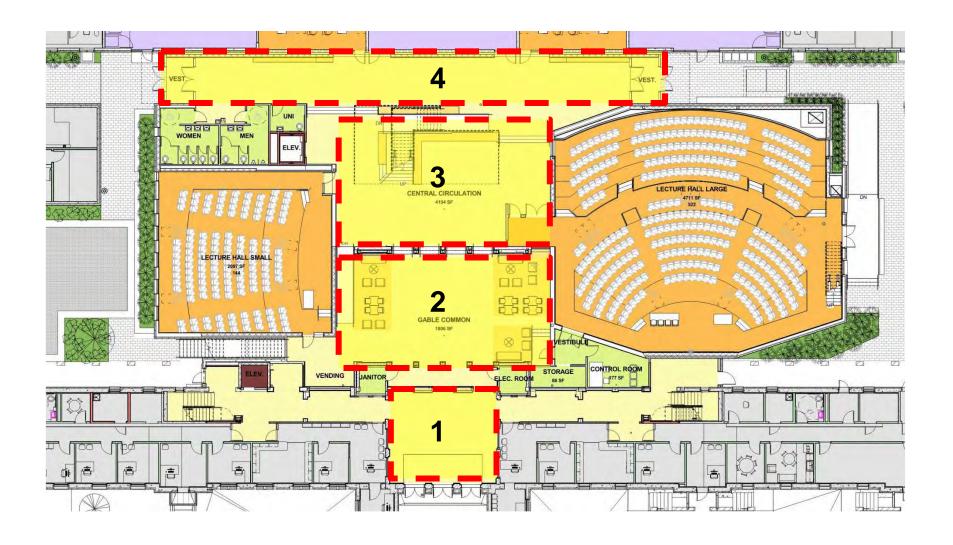
Level 1



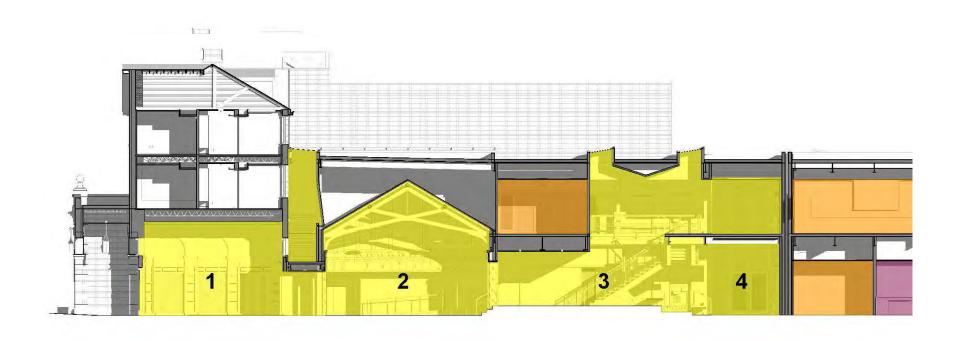
Level 2



Sequence of Public Spaces



Sequence of Public Spaces



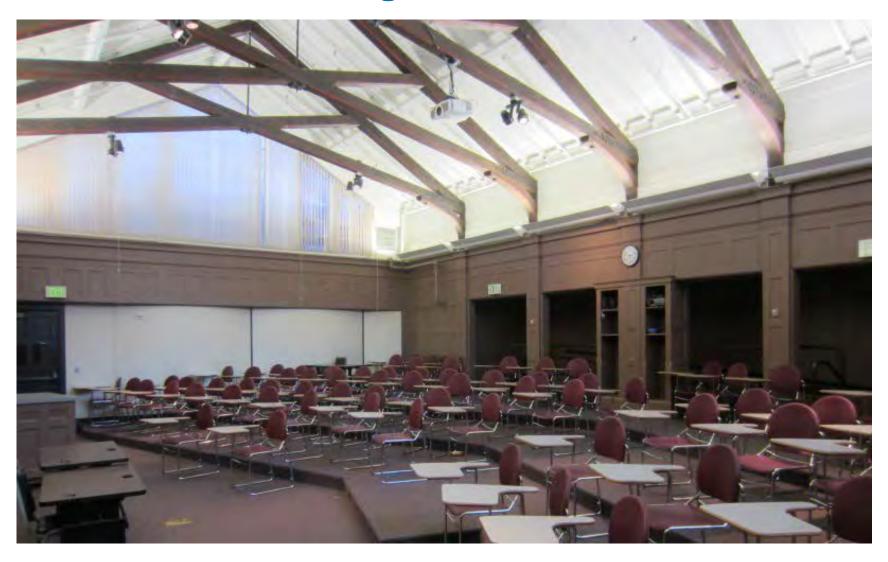
Historic Lobby



Lobby Renovation



Historic Gable Dining Room



Gable Commons Renovation



Gable Commons Renovation



New Academic Commons



New Academic Commons



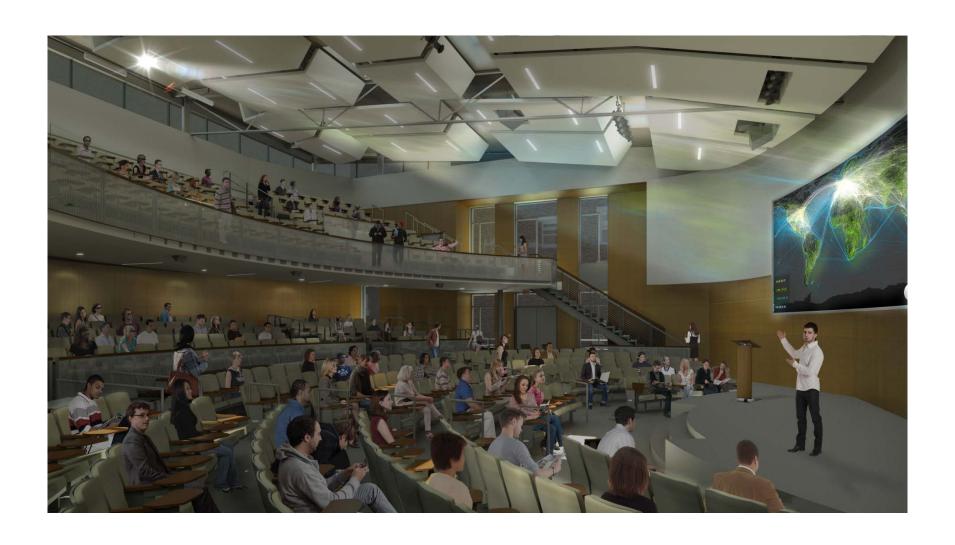
New Academic Commons



Level 2 - Academic Commons



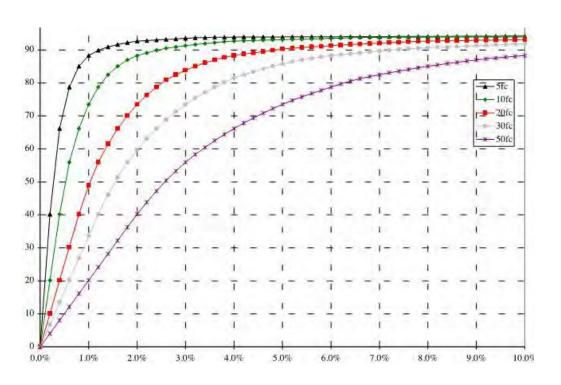


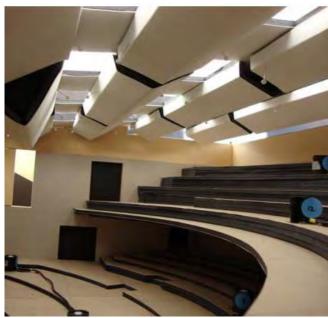


Integrated Daylighting / Mechanical

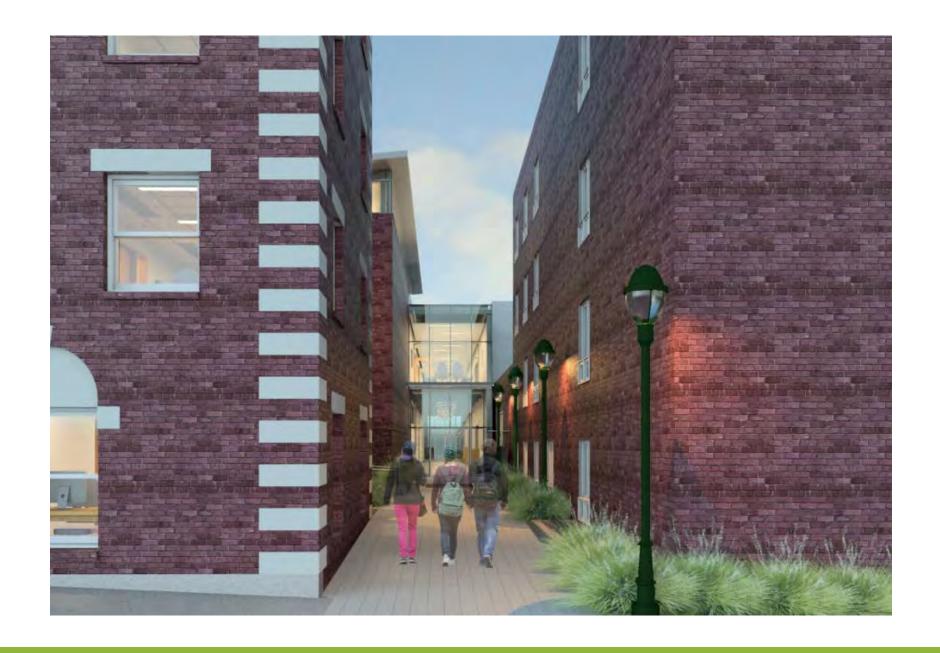


UO Daylighting Lab Modeling





Energy Savings by Daylight Factor









Lessons Learned

- Initial Project Master Plan phase was valuable
- Involve Student Housing earlier in process
- Project Timing impacts decision
- High classroom cost /seat
- Optimize land and reinvigorate academic campus core
- Value and premium with combining two projects
- Leverage building project for open space enhancements
- Architectural Commission review was successful

Questions?