California State Polytechnic University, Pomona

MP Space Utilization Analysis Update

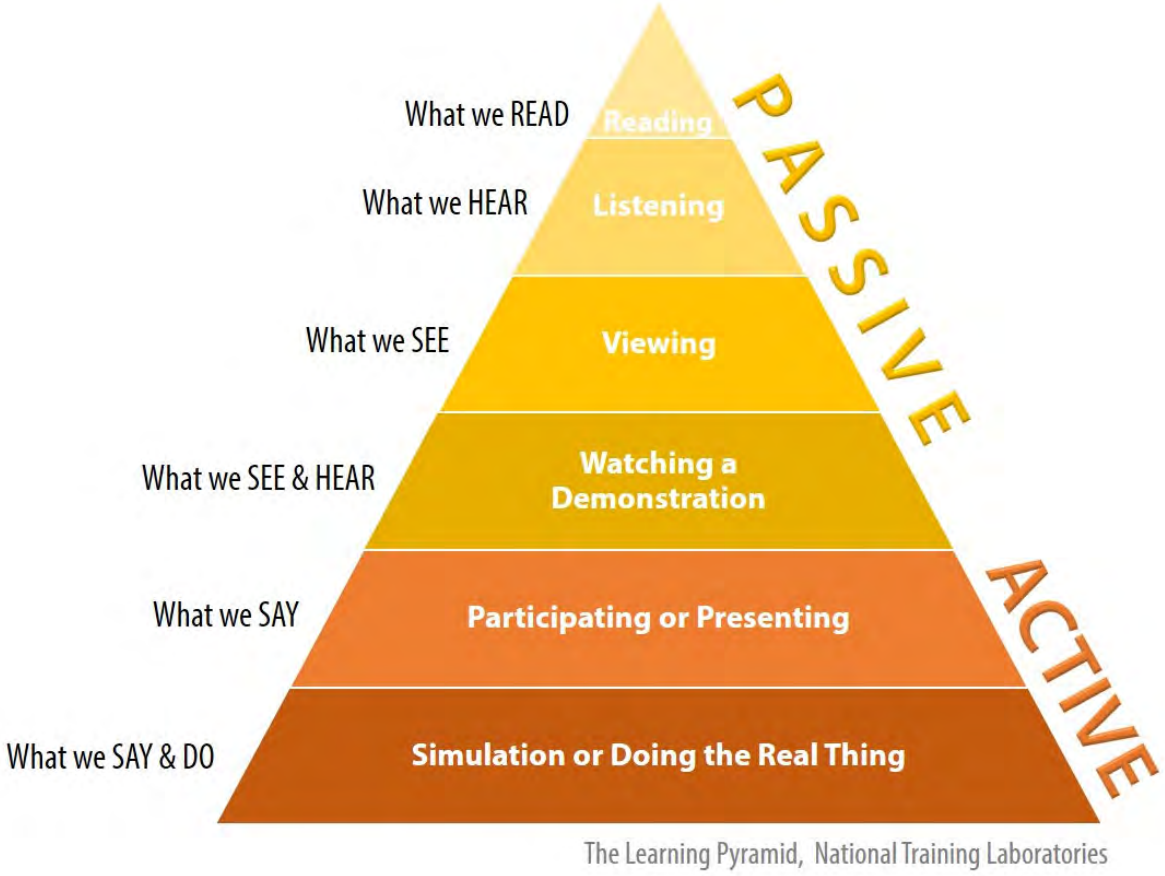
Provost's Council

20 February 2019

AYERS SAINT GROSS

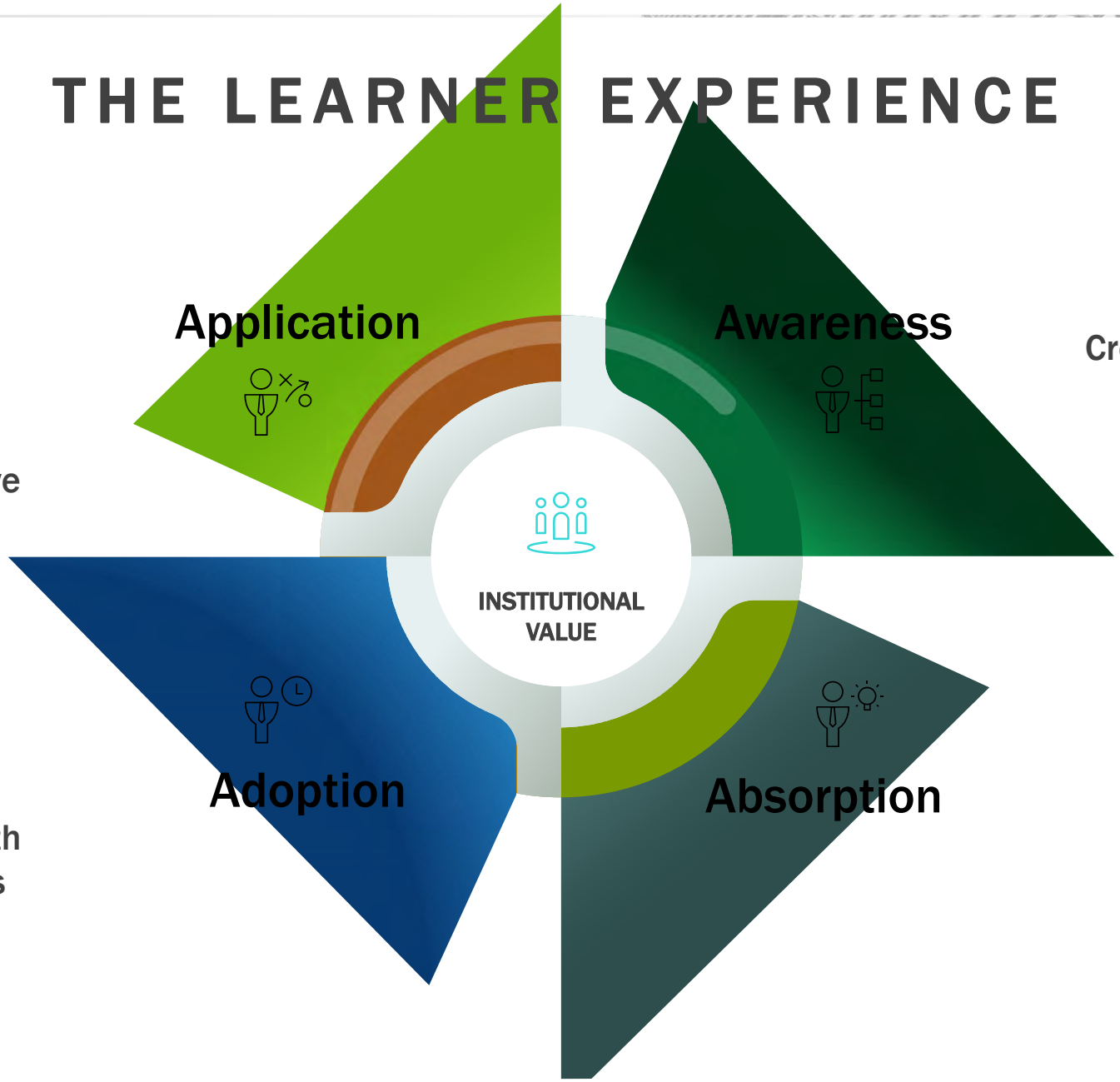
Principles of Learning Environments

PEDAGOGICAL APPROACHES



*Collaborative activities foster **communication, critical thinking** and **problem solving skills.***

THE LEARNER EXPERIENCE



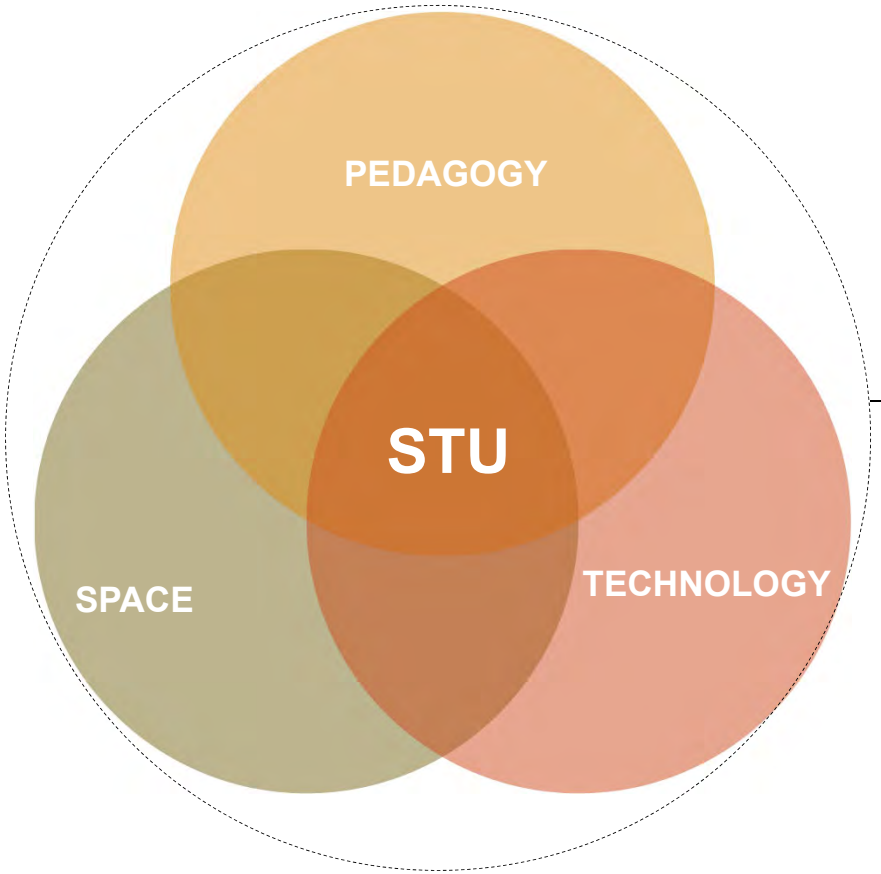
Foster short- and long-term retention with passive and active learning

Create a knowledge base through process assimilation, not rote transcription

Fixed Peer Instruction for group activity with positive attitudes and beliefs

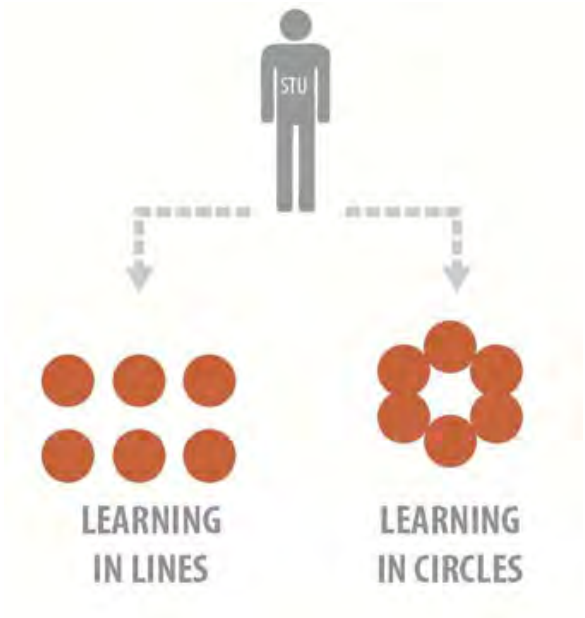
Have 20-minute changeups for multi-modal learning styles

FACTORS THAT INFLUENCE THE LEARNING ENVIRONMENT



Formal Learning Environment

Learning Environments for Student Success



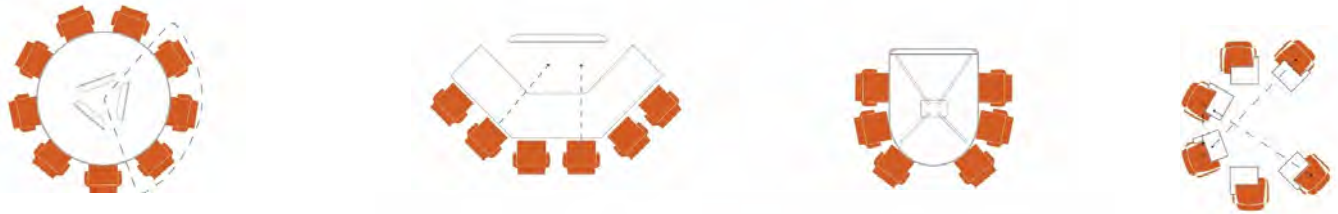
Collaborative Learning

- Active Learning
- Team/Collaborative Learning
- PBL *(Problem Based Learning)*
- SCALE UP
  (Student Centered Active Learning Environments with Upside Down Pedagogies)

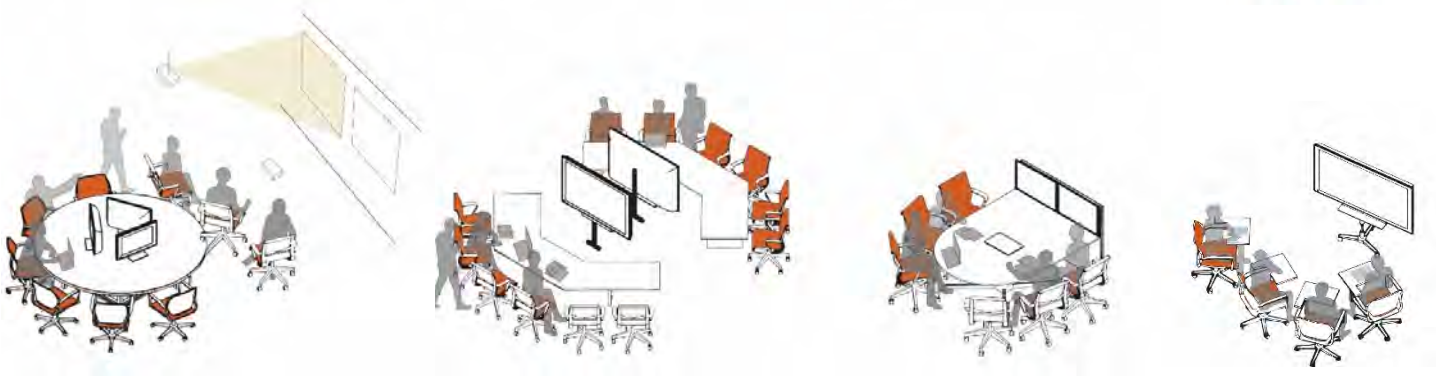
Collaborative Pedagogical Modules

Plan

Abstract Pedagogical Modules

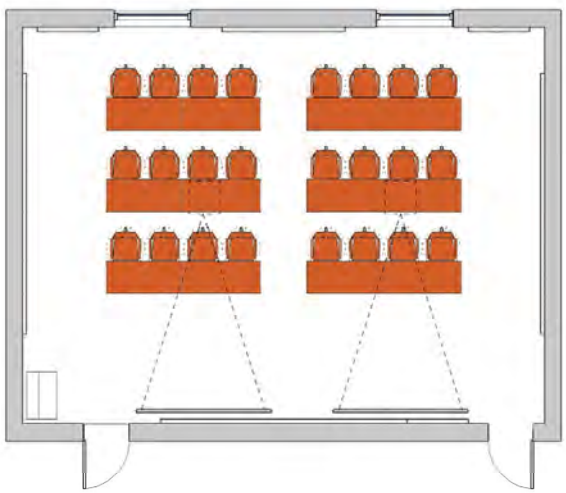
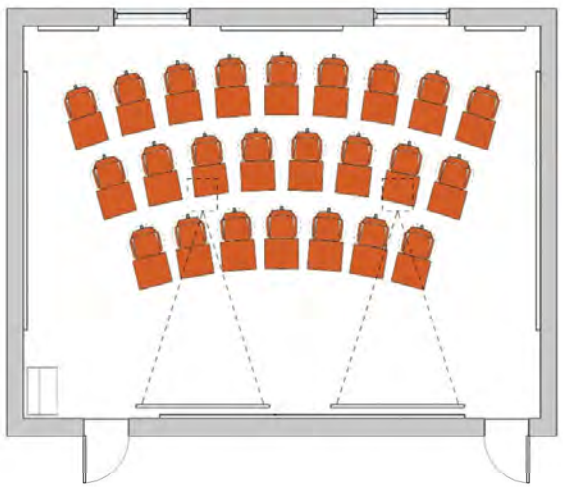
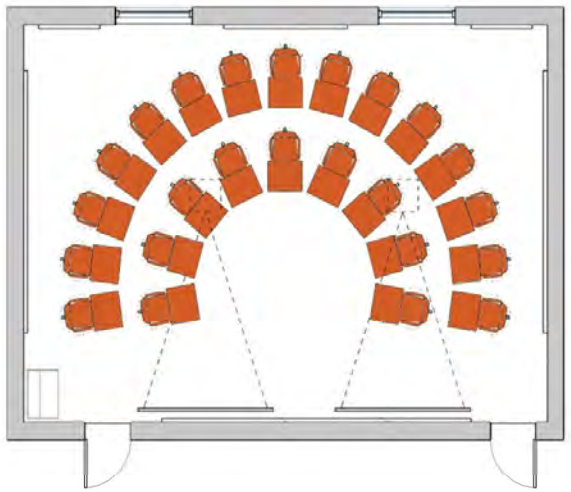
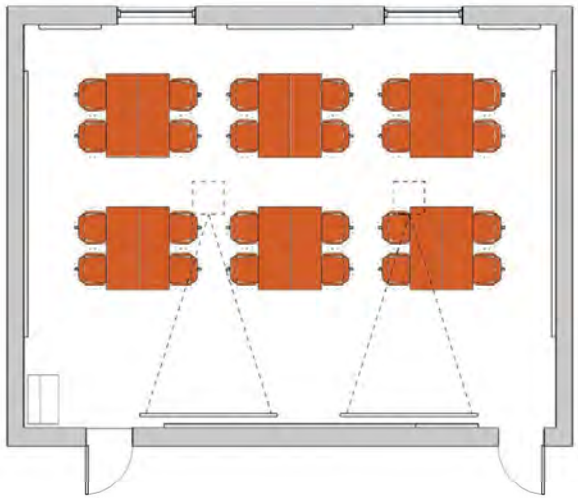
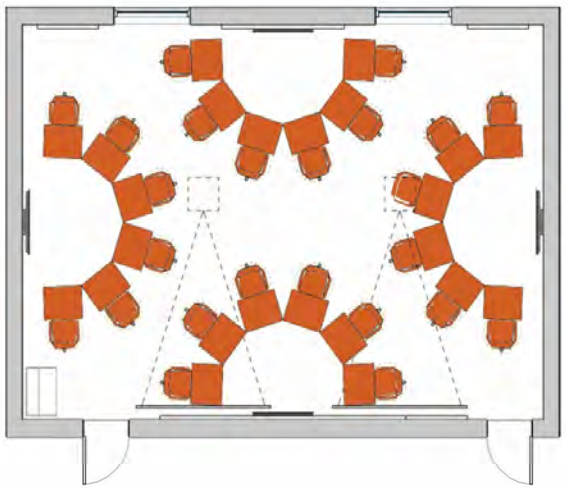
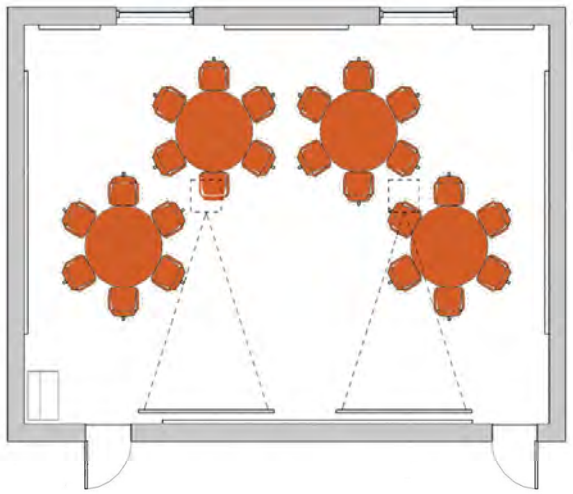


Collaborative Groups



One Space Accommodates Varying Approaches

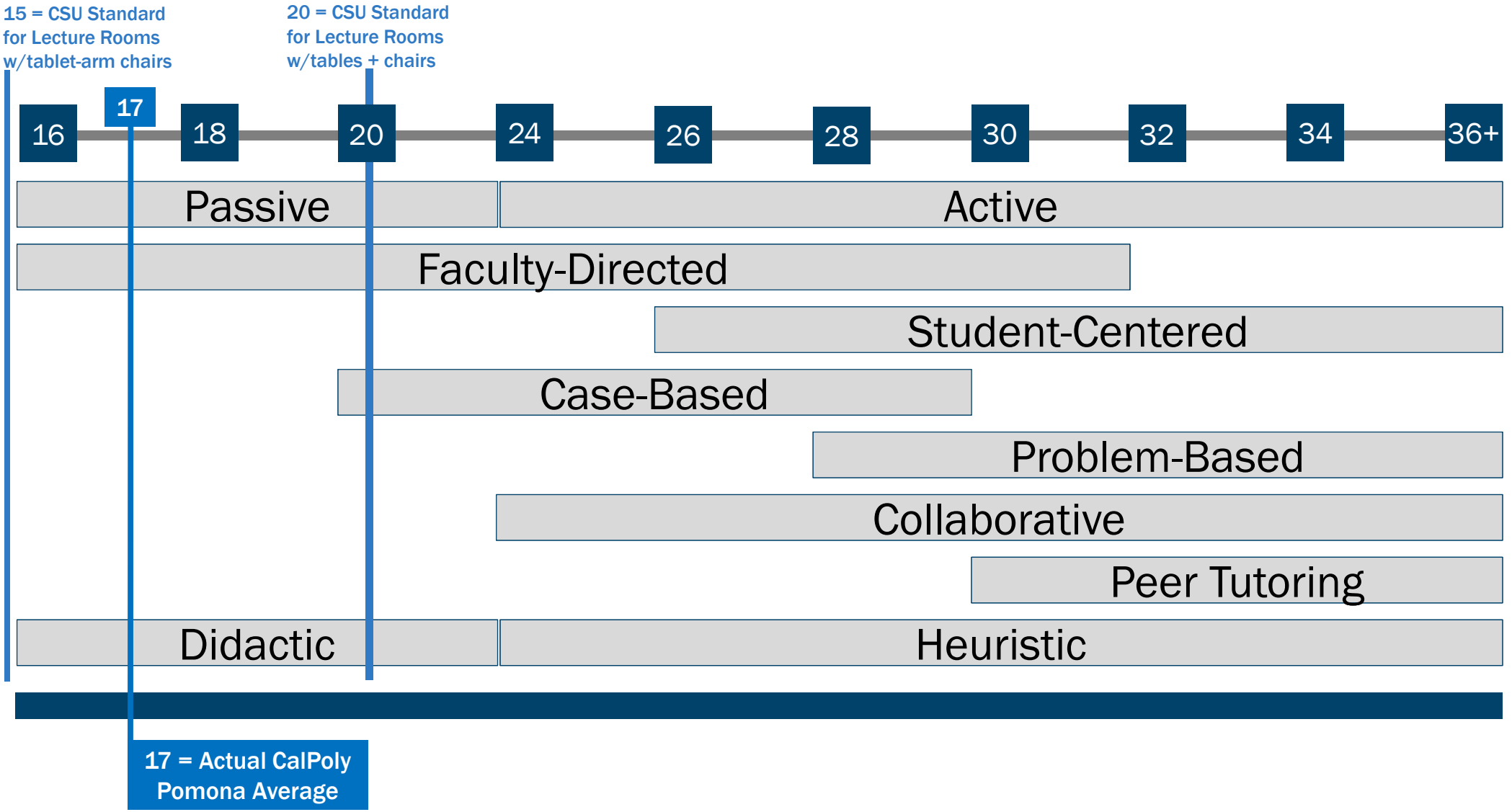
850 NASF / 24 STU = 35 SF/STU

Classroom Size + Learning Modalities

Improving Instructional Space

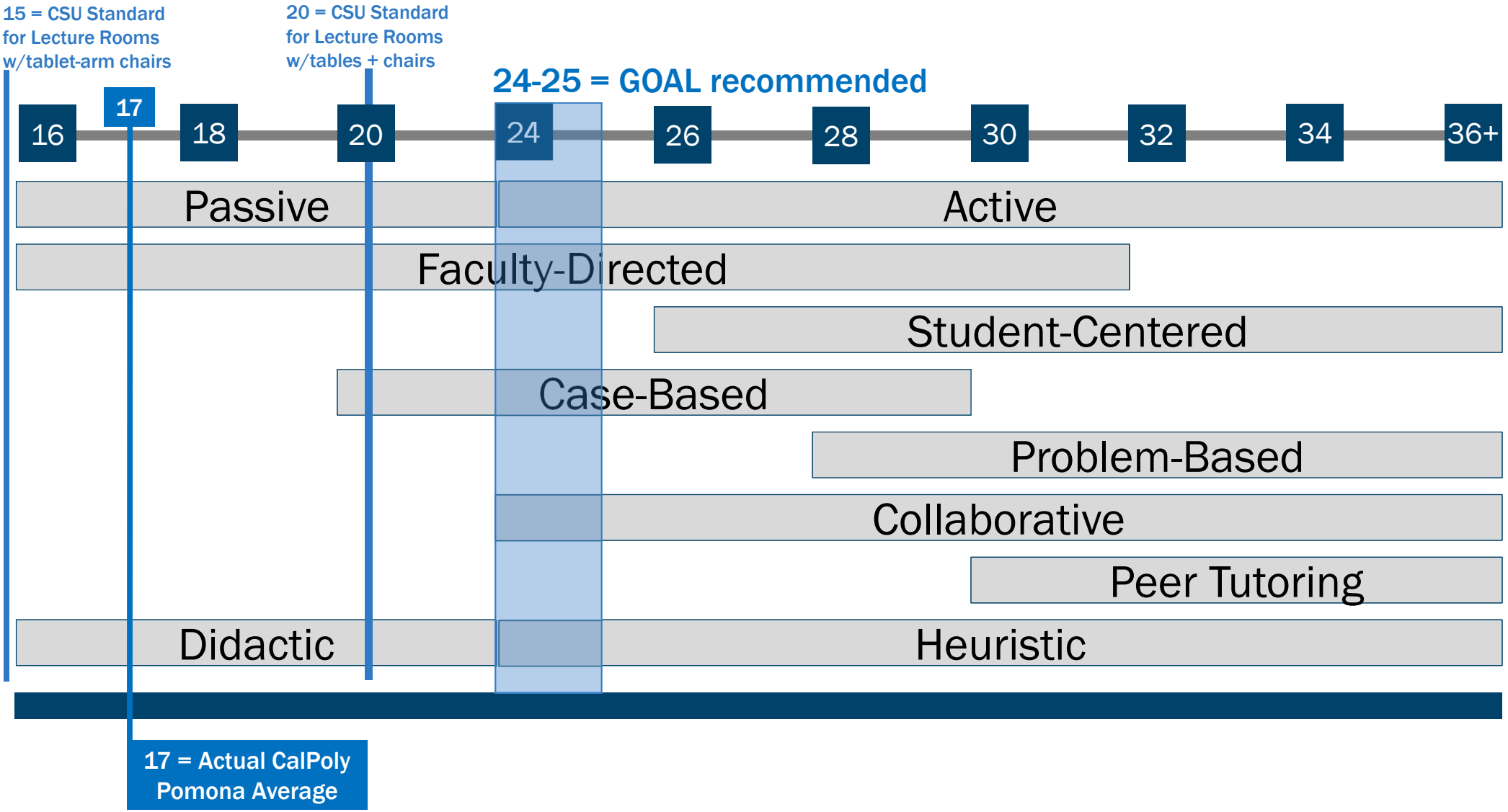
NASF/Student Station for Classroom Learning Modalities



FORWARD FACING
TABLET ARM CHAIRS = 15 SF/SEAT

FORWARD FACING
CHAIRS + TABLES IN ROWS = 20 SF/SEAT

NASF/Student Station for Classroom Learning Modalities



Challenges to Learning Environments

CHALLENGES:

ECONOMIC PRESSURES

CHALLENGES:

EDUCATIONAL PARADIGM SHIFT

CHALLENGES:

EMERGING TECHNOLOGY

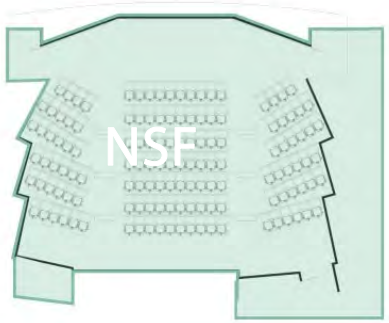
Learning Environments

Format Drives NASF per Student

TRADITIONAL LECTURE HALL
FIXED SEAT, TABLET ARM = 10-14 SF/SEAT

LARGE LECTURE HALL, FORWARD FACING + COLLABORATIVE TABLES IN ROWS + MOVABLE CHAIRS = 20 SF/SEAT

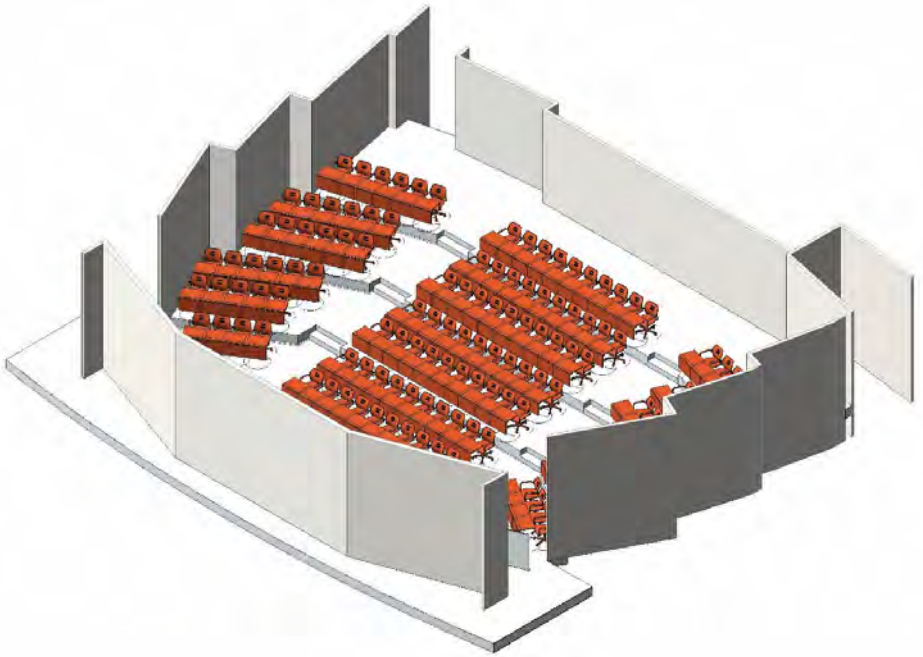
George Washington University

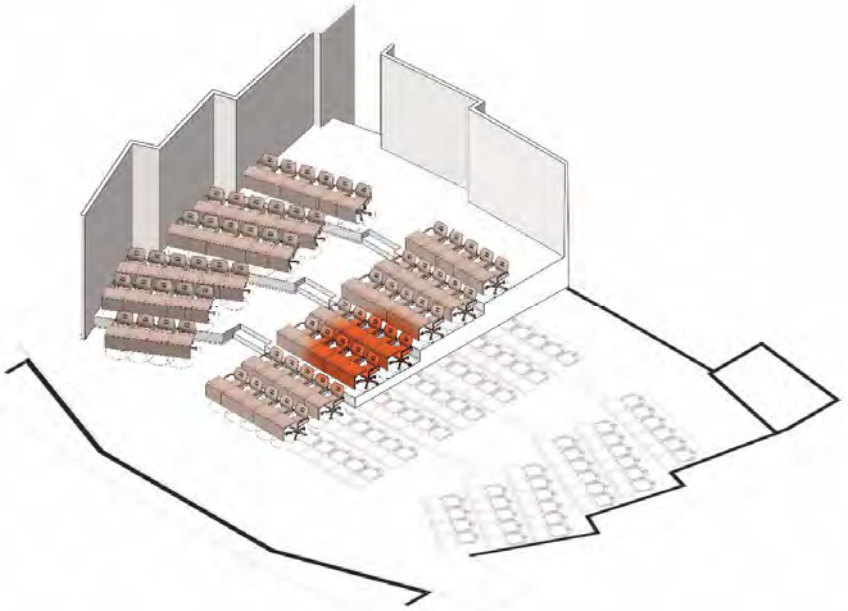


3377 ft²

136 stu

24 ft²/stu





LECTURE HALL, FORWARD FACING + COLLABORATIVE TABLES IN ROWS + MOVABLE CHAIRS = 24 SF/SEAT

LECTURE HALL, FORWARD FACING + COLLABORATIVE
TABLES IN ROWS + MOVABLE CHAIRS = 24 SF/SEAT

CLASSROOM, FLAT FLOOR, FLEXIBLE
NODE CHAIRS = 20-22 SF/SEAT

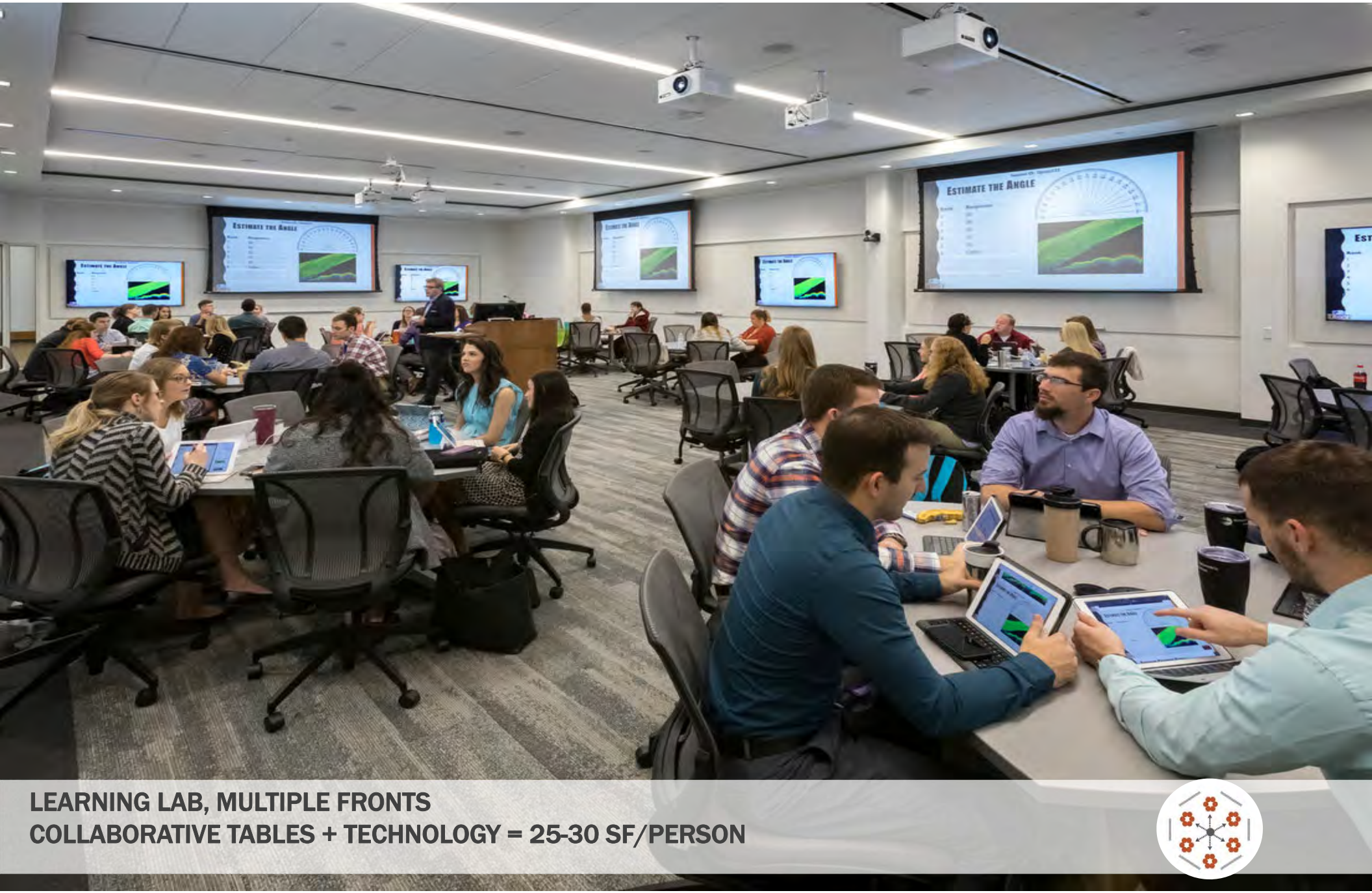
University of Delaware
Science & Engineering Building

CLASSROOM, FLAT FLOOR, FLEXIBLE
NODE CHAIRS = 20-22 SF/SEAT

University of Delaware
Science & Engineering Building

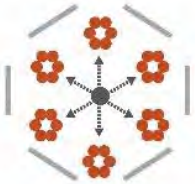
CLASSROOM, FORWARD FACING + FLEXIBLE COLLABORATIVE TABLES = 23-25 SF/PERSON

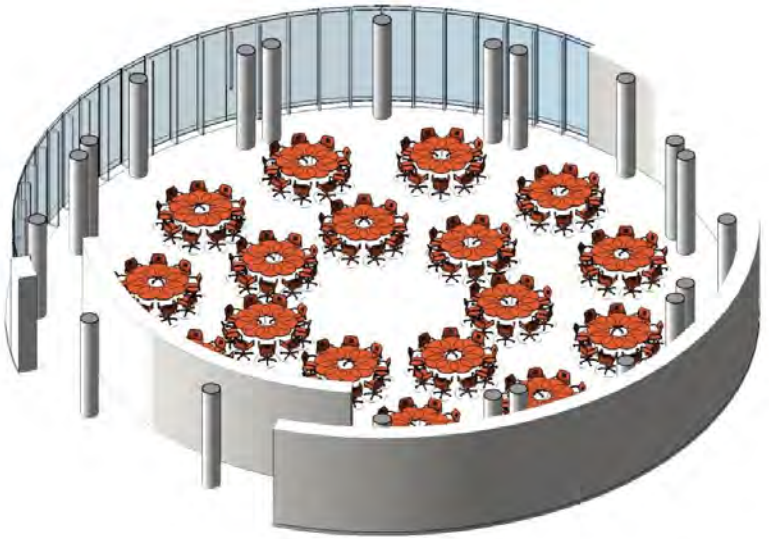
CLASSROOM, FORWARD FACING + FLEXIBLE COLLABORATIVE TABLES = 23-25 SF/PERSON

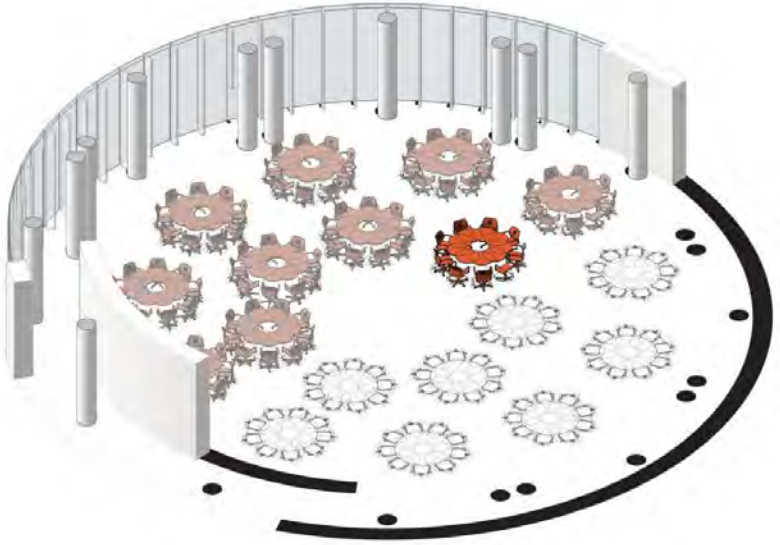


LEARNING LAB, MULTIPLE FRONTS
COLLABORATIVE TABLES + TECHNOLOGY = 25-30 SF/PERSON

LEARNING LAB, MULTIPLE FRONTS
COLLABORATIVE TABLES + TECHNOLOGY = 26-30 SF/PERSON







4845 ft²

162 stu

30 ft²/ stu

LEARNING STUDIO, MULTIPLE FRONTS
COLLABORATIVE TABLES + TECHNOLOGY = 30 SF/PERSON

Claude Moore Hall
Medical Education Learning Studio

Learning Environment Space Attributes

Quantitative / Measurable

- Universal or Inclusive Design
- Accessibility
- Flexible / Mobile Furniture
- Proportion & Scale
- Sight Lines
- Acoustics
- Lighting
- Thermal Comfort
- Materials & Finishes
- Durability & Maintainability
- Technology Implementation

INSTRUCTIONAL SPACE UTILIZATION ANALYSES

Lecture Rooms

Teaching Laboratories

Nomenclature + Definitions

- **ASF or NASF = Net Assignable Square Feet**
  measured inside wall to inside wall; includes built-in furniture or equipment; excludes public corridors, mechanical rooms, electrical closets, custodial closets, and public restrooms
- **Lecture Room**
  *A room used for **regularly scheduled** classes that do not require special purpose equipment for student use*
- **Teaching Laboratory**
  *A room primarily used by **regularly scheduled** classes which require special-purpose equipment or treatment for student participation, experimentation, observation or practice in a field of study; This category does NOT include laboratory rooms that serve as individual (or independent) study rooms. It does NOT include laboratories used for group instruction that are informally or irregularly scheduled. This category does NOT include rooms generally referred to as research laboratories.*

ASG Quantitative Calculations

WRH = Weekly Room Hours or alternatively Weekly Contact Hours

$$\text{WRH} = \left(\begin{matrix}\text{NUMBER}\\ \text{OF DAYS}\end{matrix}\right) \times \left(\begin{matrix}\text{CLASS DURATION}\\ \text{IN HOURS}\end{matrix}\right)$$

WSCH =Weekly Student Contact Hours

$$\text{WSCH} = \left(\begin{matrix}\text{NUMBER}\\ \text{OF STUDENTS}\end{matrix}\right) \times \text{WRH}$$

$$\text{WSCH CAPACITY} = \left(\begin{matrix}\text{NUMBER OF}\\ \text{STUDENT STATIONS}\end{matrix}\right) \times \text{WRH}$$

$$\%\ \text{SEATS FILLED} = \frac{\text{WSCH}}{\text{WSCH CAPACITY}}$$

$$\text{WEEKLY SEAT HOURS} = \frac{\text{WSCH}}{\text{NUMBER OF STUDENT STATIONS}}$$

FTE Capacity v. Actual Total FTEs Taught

College Year Annualized Full-Time Equivalent Students (FTES)					6/20/2018
California State Polytechnic University, Pomona					
	2013-14	2014-15	2015-16	2016-17	2017-18
1) CSU FTES Capacity for Campus	*	*	17,993.00	18,292.00	18,292.00
2) CSU Resident FTES Target	17,356.00	17,756.00	18,294.00	18,586.00	18,714.00
3) Campus total FTES Goal	18,244.00	18,769.00	19,794.00	20,870.00	21,443.30
4) Actual total FTES Taught	18,825.00	19,897.00	19,730.00	21,376.90	21,872.20
Percent of Capacity			110%	117%	120%

1) CSU FTES Capacity for Campus is a calculation used in the analysis of new space needs

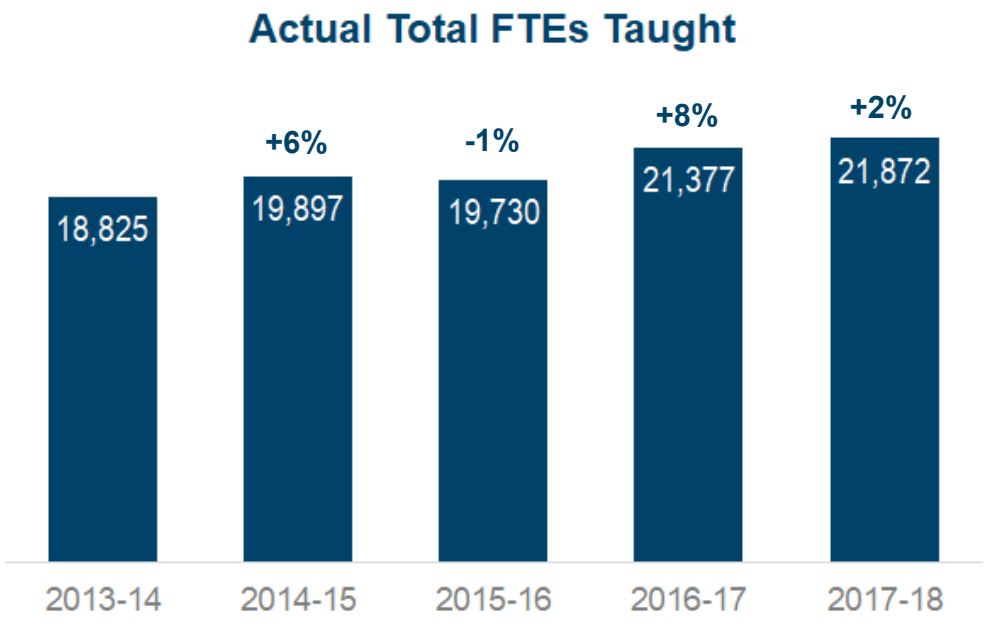
* If necessary, older figures could be researched.

2) CSU Resident FTES Target is budget teaching expectation for California resident students

3) Campus total FTES Goal is planned teaching expectation for all students, resident plus non-resident

4) Actual total FTES Taught is final college-year outcome

Prepared by Academic Research and Resources



Overall a 16% Increase over 5 years

Scheduled Use Lecture Rooms by Day + Time

Fall 2018

SCHEDULED LECTURE ROOMS ONLY

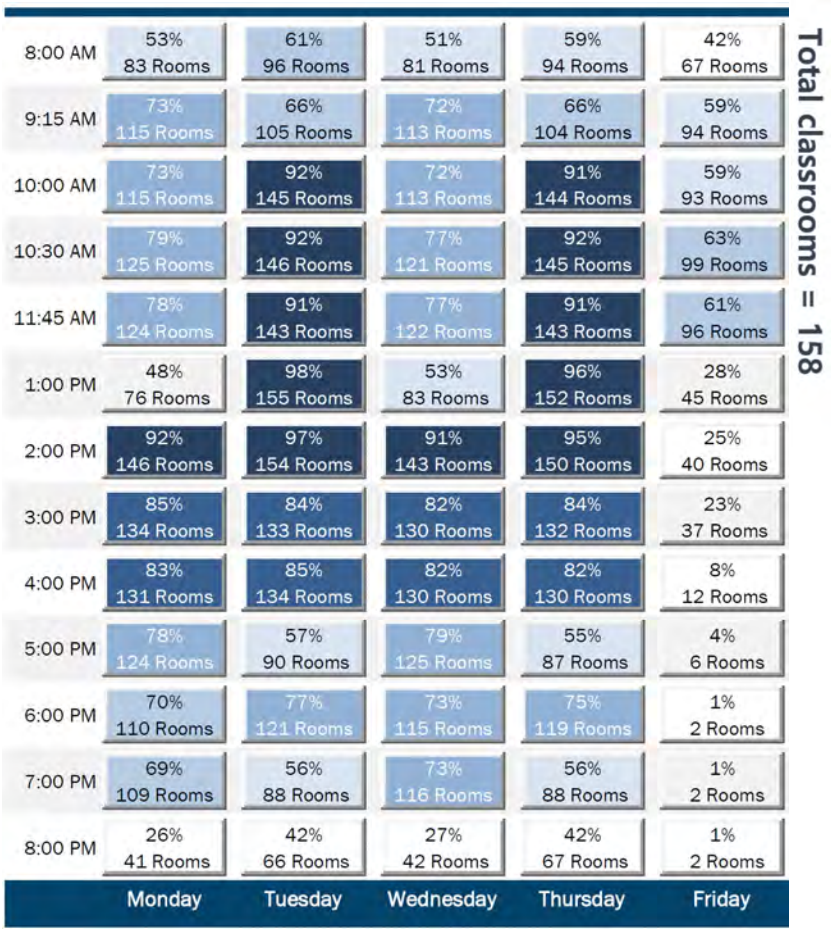
	Monday	Tuesday	Wednesday	Thursday	Friday	*Average
8:00 AM	73% 116 Rooms	76% 120 Rooms	72% 113 Rooms	76% 120 Rooms	66% 104 Rooms	73% 115 Rooms
9:15 AM	70% 110 Rooms	77% 122 Rooms	68% 107 Rooms	77% 122 Rooms	61% 96 Rooms	70% 111 Rooms
10:00 AM	77% 121 Rooms	91% 143 Rooms	76% 120 Rooms	89% 141 Rooms	61% 97 Rooms	78% 124 Rooms
10:30 AM	91% 144 Rooms	94% 148 Rooms	90% 142 Rooms	94% 149 Rooms	68% 108 Rooms	87% 138 Rooms
11:45 AM	90% 142 Rooms	16% 25 Rooms	91% 144 Rooms	16% 25 Rooms	49% 78 Rooms	53% 83 Rooms
1:00 PM	94% 149 Rooms	96% 152 Rooms	94% 148 Rooms	95% 150 Rooms	30% 47 Rooms	82% 129 Rooms
2:00 PM	96% 152 Rooms	98% 155 Rooms	96% 151 Rooms	97% 154 Rooms	23% 37 Rooms	82% 130 Rooms
3:00 PM	86% 136 Rooms	91% 143 Rooms	87% 137 Rooms	87% 137 Rooms	17% 27 Rooms	73% 116 Rooms
4:00 PM	82% 129 Rooms	83% 131 Rooms	83% 131 Rooms	80% 127 Rooms	9% 15 Rooms	68% 107 Rooms
5:00 PM	88% 139 Rooms	90% 142 Rooms	91% 144 Rooms	89% 140 Rooms	6% 9 Rooms	73% 115 Rooms
6:00 PM	72% 113 Rooms	72% 113 Rooms	79% 125 Rooms	65% 103 Rooms	4% 6 Rooms	58% 92 Rooms
7:00 PM	56% 89 Rooms	54% 86 Rooms	59% 94 Rooms	49% 78 Rooms	1% 1 Rooms	44% 70 Rooms
8:00 PM	53% 84 Rooms	56% 88 Rooms	56% 88 Rooms	51% 81 Rooms	1% 2 Rooms	44% 69 Rooms

Total classrooms = 158

* The average is calculated on Monday through Friday use.

Scheduled Use by Day and Time Comparison

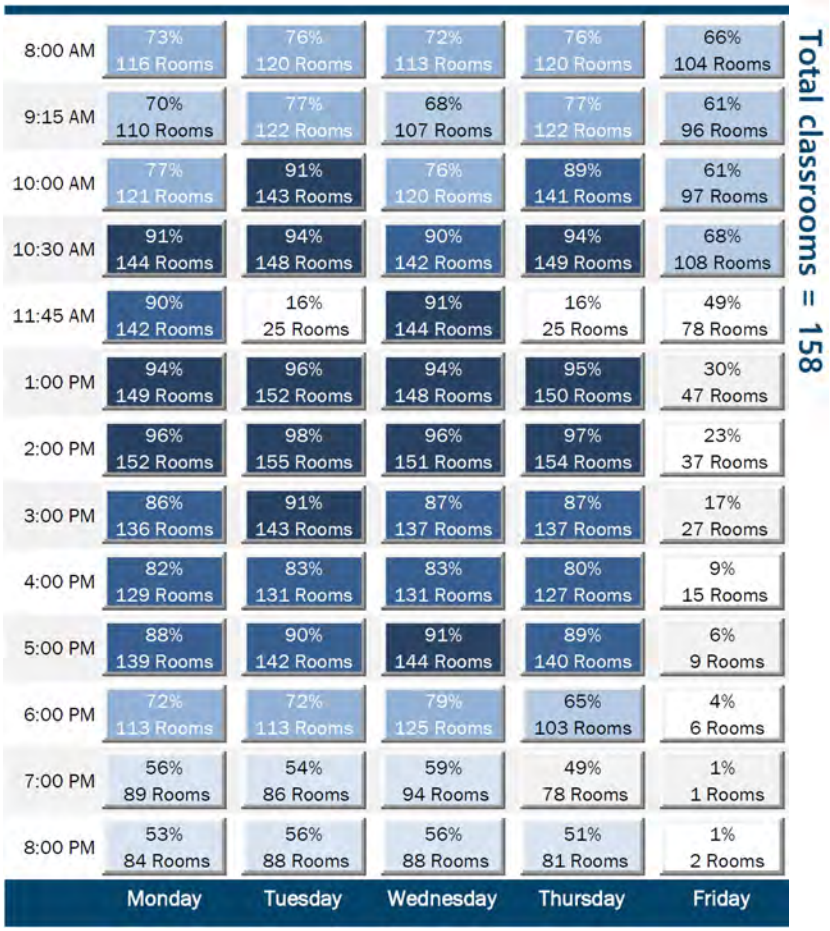
Fall 2017



	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 AM	53% 83 Rooms	61% 96 Rooms	51% 81 Rooms	59% 94 Rooms	42% 67 Rooms
9:15 AM	73% 115 Rooms	66% 105 Rooms	72% 113 Rooms	66% 104 Rooms	59% 94 Rooms
10:00 AM	73% 115 Rooms	92% 145 Rooms	72% 113 Rooms	91% 144 Rooms	59% 93 Rooms
10:30 AM	79% 125 Rooms	92% 146 Rooms	77% 121 Rooms	92% 145 Rooms	63% 99 Rooms
11:45 AM	78% 124 Rooms	91% 143 Rooms	77% 122 Rooms	91% 143 Rooms	61% 96 Rooms
1:00 PM	48% 76 Rooms	98% 155 Rooms	53% 83 Rooms	96% 152 Rooms	28% 45 Rooms
2:00 PM	92% 146 Rooms	97% 154 Rooms	91% 143 Rooms	95% 150 Rooms	25% 40 Rooms
3:00 PM	85% 134 Rooms	84% 133 Rooms	82% 130 Rooms	84% 132 Rooms	23% 37 Rooms
4:00 PM	83% 131 Rooms	85% 134 Rooms	82% 130 Rooms	82% 130 Rooms	8% 12 Rooms
5:00 PM	78% 124 Rooms	57% 90 Rooms	79% 125 Rooms	55% 87 Rooms	4% 6 Rooms
6:00 PM	70% 110 Rooms	77% 121 Rooms	73% 115 Rooms	75% 119 Rooms	1% 2 Rooms
7:00 PM	69% 109 Rooms	56% 88 Rooms	73% 116 Rooms	56% 88 Rooms	1% 2 Rooms
8:00 PM	26% 41 Rooms	42% 66 Rooms	27% 42 Rooms	42% 67 Rooms	1% 2 Rooms

Total classrooms = 158

Fall 2018



	Monday	Tuesday	Wednesday	Thursday	Friday
8:00 AM	73% 116 Rooms	76% 120 Rooms	72% 113 Rooms	76% 120 Rooms	66% 104 Rooms
9:15 AM	70% 110 Rooms	77% 122 Rooms	68% 107 Rooms	77% 122 Rooms	61% 96 Rooms
10:00 AM	77% 121 Rooms	91% 143 Rooms	76% 120 Rooms	89% 141 Rooms	61% 97 Rooms
10:30 AM	91% 144 Rooms	94% 148 Rooms	90% 142 Rooms	94% 149 Rooms	68% 108 Rooms
11:45 AM	90% 142 Rooms	16% 25 Rooms	91% 144 Rooms	16% 25 Rooms	49% 78 Rooms
1:00 PM	94% 149 Rooms	96% 152 Rooms	94% 148 Rooms	95% 150 Rooms	30% 47 Rooms
2:00 PM	96% 152 Rooms	98% 155 Rooms	96% 151 Rooms	97% 154 Rooms	23% 37 Rooms
3:00 PM	86% 136 Rooms	91% 143 Rooms	87% 137 Rooms	87% 137 Rooms	17% 27 Rooms
4:00 PM	82% 129 Rooms	83% 131 Rooms	83% 131 Rooms	80% 127 Rooms	9% 15 Rooms
5:00 PM	88% 139 Rooms	90% 142 Rooms	91% 144 Rooms	89% 140 Rooms	6% 9 Rooms
6:00 PM	72% 113 Rooms	72% 113 Rooms	79% 125 Rooms	65% 103 Rooms	4% 6 Rooms
7:00 PM	56% 89 Rooms	54% 86 Rooms	59% 94 Rooms	49% 78 Rooms	1% 1 Rooms
8:00 PM	53% 84 Rooms	56% 88 Rooms	56% 88 Rooms	51% 81 Rooms	1% 2 Rooms

Total classrooms = 158

Utilization Lecture Rooms by Building Fall 2018

SCHEDULED ONLY

- 87% of Utilization Targets

Building Name and Id		Room Characteristics				Average Utilization			
		TOTAL		AVERAGE					
		No. of Rooms	No. of Seats	NASF per Room	NASF per Seat	Course Enrollment	Weekly Room Hours	Percent of Seats Filled	Weekly Seat Hours
Administration	001	7	316	791	19	35	41	79%	31.2
Agriculture Classrooms	002	5	249	760	15	32	32	67%	21.1
Art/Engineering Annex	013	1	65	1,639	25	46	38	70%	26.4
Bronco Bookstore	066	4	269	1,035	16	53	33	76%	26.4
Business Administration	006	9	428	778	17	33	41	70%	28.1
Class, Lab, Administration Building	098	7	327	761	16	35	35	77%	25.9
College of Business Administration B	162	2	320	2,763	17	136	49	87%	41.3
College of Business Administration C	163	12	733	1,177	20	47	38	76%	30.1
Collins College of Hospitality + Management	079	3	171	1,186	20	41	25	69%	19.5
Drama/Theater	025	1	30	425	14	27	24	91%	21.8
Engineering	009	39	1,627	651	16	31	40	74%	29.7
Engineering Labs	017	4	168	814	19	32	38	77%	31.0
Environmental Design	007	3	150	773	15	28	39	60%	22.5
Kellogg Gym	043	1	58	842	15	36	39	66%	25.7
Letters, Arts and Social Science	005	20	838	653	16	31	42	76%	32.4
Library	015	7	460	1,137	17	58	40	87%	37.1
Marriott Learning Center	080	2	96	1,235	26	33	20	66%	13.4
Music Department	024	11	600	880	17	38	38	70%	26.2
Science	008	13	494	573	15	31	44	84%	36.8
Science Laboratory	003	7	434	950	16	50	44	80%	35.5
Totals / Averages:		**158**	**7,833**	**824**	**17**	**37**	**39**	**76%**	**30.3**

CSU Lecture Utilization Targets:	53	66%	34.98

Comparison of Fall 2017 to Fall 2018 Utilization

AVERAGES

Term	No. of Rooms Scheduled	No. of Seats	Course Enrollment	Weekly Room Hours	Seat Occupancy	Weekly Seat Hours	Percent of Utilization Targets
Fall 2017	158	7,833	37	40	77%	30.50	**87%**
Fall 2018	158	7,833	37	39	76%	30.30	**87%**
	CSU Lecture Utilization Targets			**53**	**66%**	**34.98**	

- Total number of Rooms = 165
- Seven lecture rooms not scheduled for both 2017 and 2018

  Building 066 (Bronco Bookstore), Room 0126

  Building 009 (Engineering), Rooms 249 and 258

  Building 209 (Center for Regenerative Studies), Rooms 101a, 102a-1, 0103

  Building 008 (Science), Room 0149

Utilization by Teaching Lab Type - Fall 2018

SCHEDULED TEACHING LABS ONLY

Space Type	Room Characteristics				Average Utilization			
	TOTAL		AVERAGE					
	No. of Rooms	No. of Seats	NASF per Room	NASF per Seat	Course Enrollment	Weekly Room Hours	Percent of Seats Filled	Weekly Seat Hours
Teaching Laboratory	1	18	995	55	16	12	88%	10.3
Teaching Lab-Lower Div	52	1,076	1,081	57	22	28	118%	30.7
Teaching Lab-Upper Div	99	2,001	1,144	64	20	21	115%	22.1
Teaching Lab-Grad	4	80	781	37	13	21	71%	17.6
Totals / Averages:	**156**	**3,175**	**1,113**	**61**	**20**	**23**	**115%**	**24.8**

CSU Lower Division Lab Utilization Target	27.5	85%	23.37
CSU Upper Division Lab Utilization Target	22.0	80%	17.60

- 131% of LD Utilization Targets
- 124% of UD Utilization Targets

Comparison of Fall 2017 to Fall 2018 Utilization

LOWER DIVISION LAB **AVERAGES**

Term	No. of Rooms Scheduled	No. of Seats	Course Enrollment	Weekly Room Hours	Seat Occupancy	Weekly Seat Hours	Percent of Utilization Targets
Fall 2017	50	1,059	22	26.0	113%	28.60	122%
Fall 2018	52	1,076	22	28.0	118%	30.70	131%
CSU Lower Division Lab Utilization Targets				27.5	85%	23.38	

UPPER DIVISION LAB **AVERAGES**

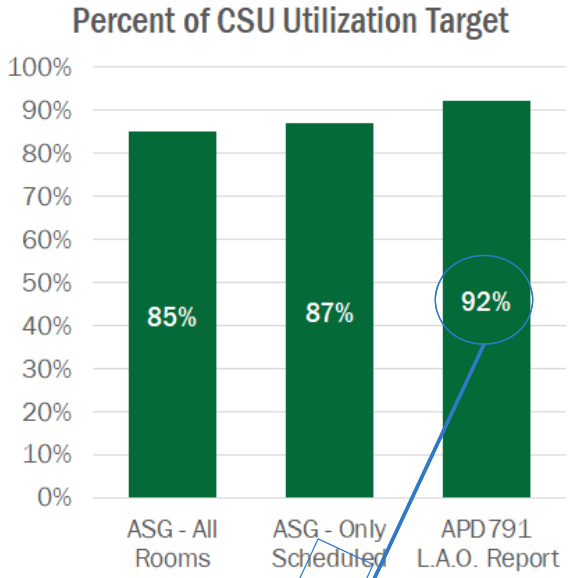
Term	No. of Rooms Scheduled	No. of Seats	Course Enrollment	Weekly Room Hours	Seat Occupancy	Weekly Seat Hours	Percent of Utilization Targets
Fall 2017	103	2,050	20	21.0	119%	23.80	135%
Fall 2018	104	2,099	19	21.0	113%	21.80	124%
CSU Upper Division Lab Utilization Targets				22.0	80%	17.60	

- Total number of Rooms = 178
- Scheduled 3 labs more than Fall 2017

Lecture Utilization + Capacity Summary 2017

The major difference between ASG's calculations and CSU's is the Weekly Room/Contact Hours. ASG's Weekly Room Hours are based on real time in the space and CSU's Weekly Contact Hours are based on an entered hour.

Fall Term 2017 Lecture	Room Count	Total Stations	NASF per Station	Weekly Room Hours	% Station Occupancy	Weekly Station Hours
ASG Lecture - All Rooms	165	8,006	17	38.0	73.0%	29.8
ASG Lecture - Only Scheduled	158	7,833	17	40.0	77.0%	30.5
CSU Utilization Targets	n/a	n/a		53.0	66.0%	35.0
APD791 L.A.O. Report	153	7,206	n/a	42.5	76.0%	32.3



Fall Term 2017 Lecture FTE Capacity	Total Stations	FTE Capacity	FTE Conversion Factor
FP_CAP_FAC_PT Permanent	7,206	16,790	2.33
FP_CAP_FAC_PT Temporary	766	1,785	2.33
CPP FTE Capacity	7,972	18,575	
ASG from Facilities File	8,006	18,654	2.33
Difference	34	79	

FTE Capacity = 18,575

Lecture FTEs* = 20,742 or 112% of Capacity

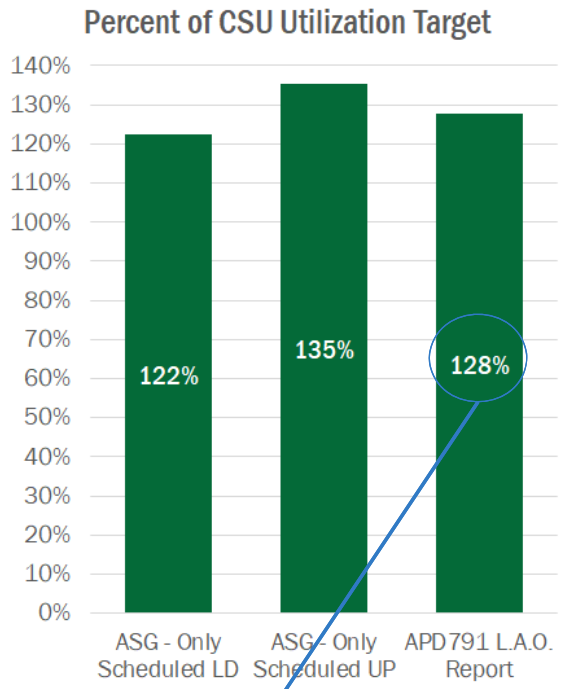
**from APD53 PGM APD76 Course Section Report for Fall 2017*

**2018-19 CSU reports are not available yet, but then they are released these charts will be updated and 2017 to 2018 comparison provided.*

Laboratory Utilization + Capacity Summary 2017

Fall Term 2017 Laboratory	Room Count	Total Stations	NASF per Station	Weekly Room Hours	% Station Occupancy	Weekly Station Hours
ASG Laboratory - All Rooms	178	3,496	62	19.0	101.0%	22.6
ASG Laboratory - Only Scheduled	153	3,109	61	23.0	117.0%	25.4
ASG Laboratory - Only Scheduled Lower Division	50	1,059	56	26.0	113.0%	28.6
ASG Laboratory - Only Scheduled Upper Division	103	2,050	63	21.0	119.0%	23.8
CSU Lower Division Utilization Targets	n/a	n/a		27.5	85.0%	23.4
CSU Upper Division Utilization Targets	n/a	n/a		22.0	80.0%	17.6
APD791 L.A.O. Report	181	3,497	n/a	23.5	108.5%	25.5

Fall Term 2017 Laboratory FTE Capacity	Total Stations	FTE Capacity	FTE Conversion Factor
FP_CAP_FAC_PT Lower Division	1,132	589	0.52
FP_CAP_FAC_PT Upper Division	2,365	922	0.39
CPP FTE Capacity	3,497	1,511	
ASG from Facilities File Lower Division	1,132	589	0.52
ASG from Facilities File Upper Division	2,364	922	0.39
ASG CPP FTE Capacity	3,496	1,511	
Difference	(1)	(0)	



FTE Capacity = 1,511

Lab FTEs* = 1,253 or 83% of Capacity

**from APD53 PGM APD76 Course Section Report for Fall 2017*

**2018-19 CSU reports are not available yet, but then they are released these charts will be updated and 2017 to 2018 comparison provided.*

Why the disconnect between percent of capacity and the percent of utilization targets?

- Only 77% of the reported Lecture/Seminar FTEs are being taught in Lecture facilities
  15,988.37 Student FTEs divided by 20,742 Lecture FTEs (from APD53 PGM APD76 Course Section Report for Fall 2017)
- Nine percent of the Lecture/Seminar FTEs are being taught in Lab facilities
  1816.73 Student FTEs divided by 20,742 Lecture FTEs (from APD53 PGM APD76 Course Section Report for Fall 2017)
- This nine percent is equivalent to 145% of the reported Lab FTEs being taught in Lab facilities
  1816.73 Student FTEs divided by 1,253 Lab FTEs (from APD53 PGM APD76 Course Section Report for Fall 2017)

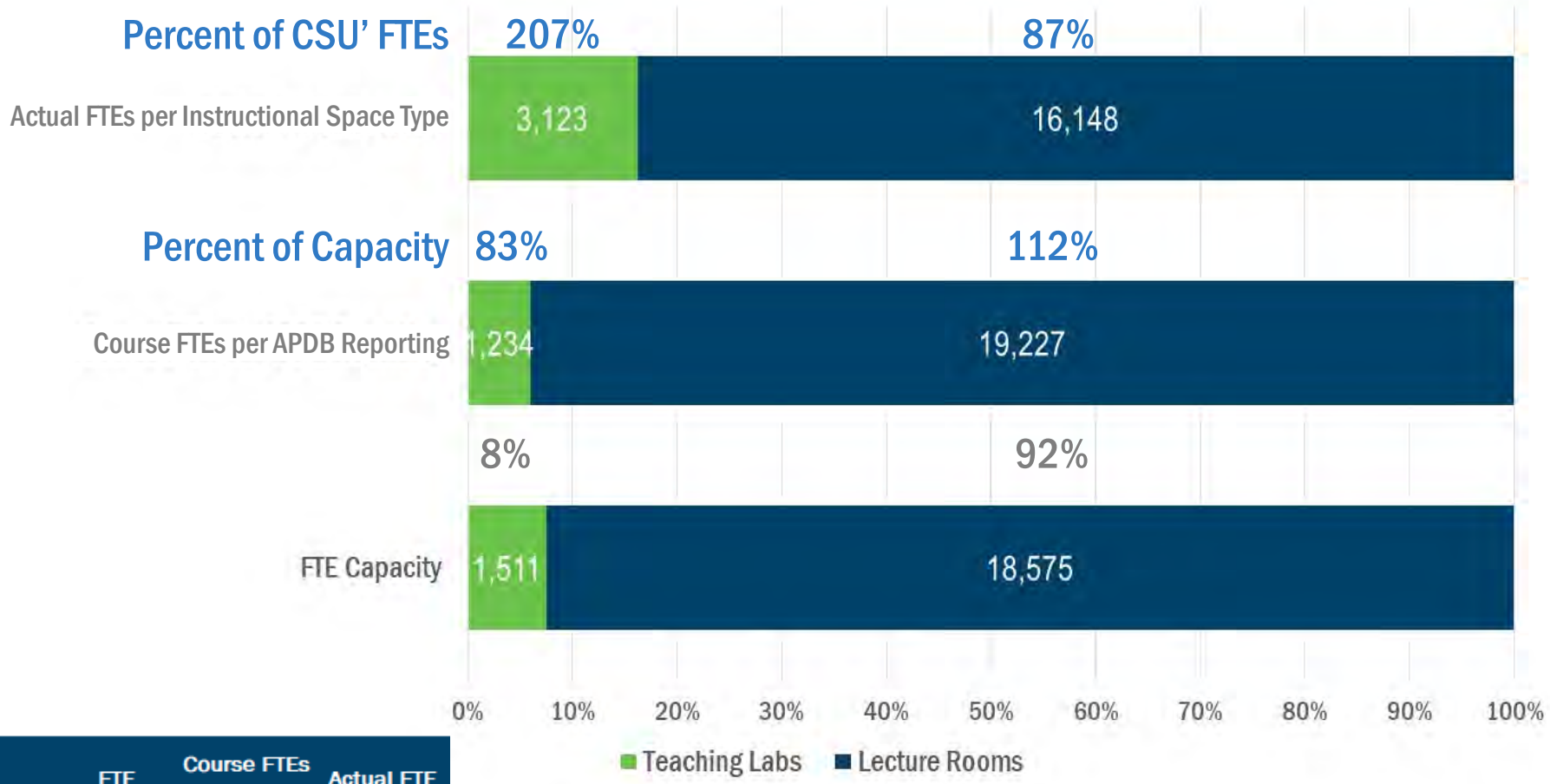
Analysis of Courses Held in Lecture Facilities

	No. of Sections	Weekly Room Hours	Weekly Contact Hours	Student FTEs
Lecture/Seminar Courses scheduled in Lecture Facilities	1,700	6,110	6,191.00	15,988.37
Laboratory Courses scheduled in Lecture Facilities	28	85	92.00	52.92
Activity Courses scheduled in Lecture Facilities	28	58	57.00	43.33
Independent Study courses scheduled in Lecture Facilities	13	36	39.00	63.26
TOTAL	1,769	6,289	6,379.00	16,147.88

Analysis of Courses held in Laboratory Facilities

	No. of Sections	Weekly Room Hours	Weekly Contact Hours	Student FTEs
Lecture/Seminar Courses scheduled in Lab Facilities	310	908	919.50	1,816.73
Laboratory Courses scheduled in Teaching Lab Facilities	590	2,184	2,186.00	1,021.94
Activity Courses scheduled in Teaching Lab Facilities	99	408	408.00	284.32
Independent Study courses scheduled in Teaching Lab Facilities	1	1	2.00	0.40
TOTAL	1,000	3,501	3,515.50	3,123.39

Instructional Capacity Outcome 2017



	FTE Capacity	Course FTEs per APDB Reporting	Actual FTE Generation
Lecture Rooms	18,575	19,227	16,148
Teaching Labs	1,511	1,234	3,123
TOTAL	**20,086**	**20,462**	**19,271**

Summary of Data Themes

- FTE generation is against contact hours that don't always equal to actual scheduled time or weekly room hours
- FTEs generated by Course Component do not match the physical facility in which the course is taught
- There are spaces classified as instructional that have no scheduled use where the seat counts are contributing to capacity and reducing reported utilization
- Some physical spaces are not classified correctly for current use because it's an arduous process to get codes changes accepted by the system

Q+A / Discussion

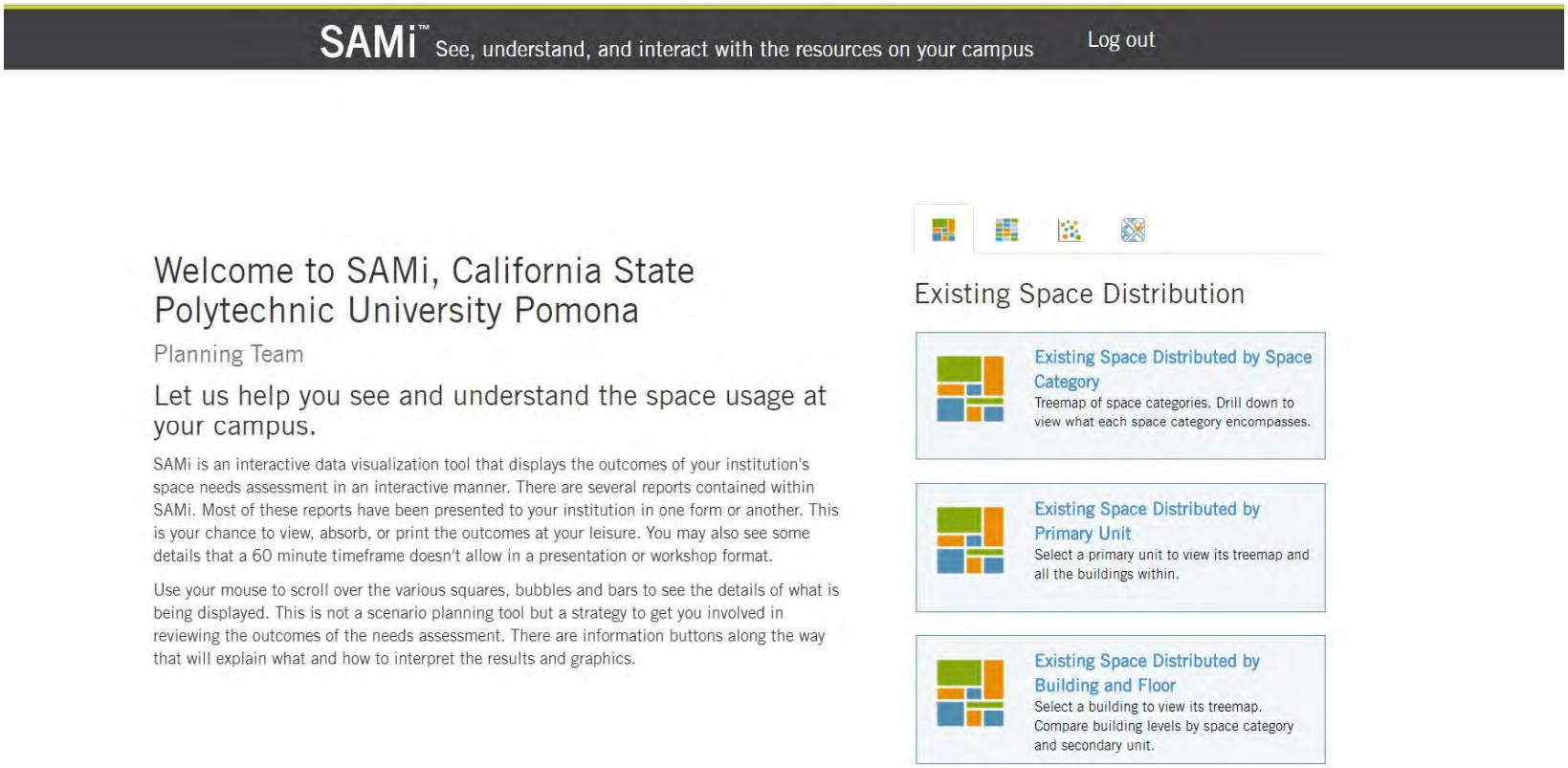
Discussion Comments:

- Need to investigate the Lecture courses scheduled in lab facilities
  - Is the room correctly coded?
  - Is the course correctly coded?
  - Is there an instructional purpose for scheduling in a lab space?
  - Is the lecture course scheduling impacting lab course scheduling or facilities availability?

- Concept for ‘hubs’ and shared academic resources needs more discussion to be further developed/refined – suggest a follow-up working session with the Deans (charrette format?)

www.thesamiapp.com

SITE: www.thesamiapp.com
CPP ID: Planning Team
CPP PASSWORD: greengoldCPP17



Laboratory Rooms without Scheduled Courses

Building	Room Id	NASF	Stations	Secondary Unit
Administration	001-0304	200	18	Communication/Comm Studies
Class, Lab, Administration Building	098-3001	616	13	Computer Information Systems
Engineering Labs	017-1536	1,431	16	Engineering Technology
Interim Design Center	089-0002G	750	9	Architecture
Agriculture Engineering	045-0103	3,390	24	Architecture
Darlene May Gym	041-0010A	356	11	Kinesiology
Engineering	009-0111	1,342	8	Electrical + Computer Engineering
Engineering	009-0259	676	18	COE - Dean's Office
Engineering	009-0329	1,493	12	Electrical + Computer Engineering
Engineering	009-0529	1,303	24	Electrical + Computer Engineering
Engineering Labs	017-1215	712	6	Engineering Technology
Environmental Design	007-0104G	498	12	Landscape Architecture
Environmental Design	007-0106C	498	12	Landscape Architecture
Environmental Design	007-0201C	581	12	Urban and Regional Planning
Interim Design Center	089-0003A	1,010	14	Architecture
Interim Design Center	089-0003C	1,011	12	Architecture
Interim Design Center	089-0003D	1,011	12	Architecture
Science	008-0142	1,045	18	Biological Sciences
Science	008-0312	976	12	Chemistry
Science Laboratory	003-1632	938	24	Urban and Regional Planning
Science Laboratory	003-2642	533	10	Computer Science
Environmental Design	007-0237	1,100	24	Architecture