



Space Utilization Study

Fall 2019 Semester



Table of Contents

Methodology & Considerations	Page 1
Building Summary	Page 19
Room Utilization	Page 21
Hourly Utilization Tables	Page 33
Capacity Load & WSCH Gap	Page 36
WSCH Capacity vs. Hourly Utilization	Page 44
Station Occupancy Rate Efficiency	Page 50
Overview Tables	Page 55



Berkeley City College

Space Utilization Study: Methodology & Considerations



Berkeley City College

INTRODUCTION

This Space Utilization is an analysis of instructional room usage at Berkeley City College (BCC) during the fall 2019 semester. Space Utilization examines the number of hours per week each room is scheduled for instructional use during a semester. Title 5 policy on utilization and space standards are used to determine efficiency of room utilization and Weekly Student Contact Hour (WSCH) capacity. The analysis compares the amount of time a room is *actually* utilized to the amount of time it *should* minimally be utilized to be deemed efficient usage. Additionally, each instructional room's WSCH Capacity is compared with actual WSCH generation and utilization hours to evaluate occupancy efficiency.

The purpose of this Space Utilization analysis is to understand efficiencies in room usage during the semester, compare hourly utilization of rooms to WSCH Capacity and actual generation, and identify potential rooms with space need/surplus based on Title 5 standards. Information from within this analysis may be used for future planning purposes.

METHODOLOGY

Title 5 policy on utilization standards are determined on the basis of a 70-hour per week maximum room availability (Monday-Friday from 8:00 am to 10:00 pm). Per Title 5 standards, this analysis maintains that classrooms shall be utilized at least 31.68 hours per week out of available 48-hours per week to achieve minimum qualifications for efficient room usage (for a college that generates less than 140,000 WSCH per semester). Similarly, laboratories shall be utilized at least 23.375 hours per week out of available 27.5-hours per week to achieve minimum qualifications for efficient room usage. Percentage of room utilization is calculated based on actual contact hours within each room versus the Title 5 standard for achieving minimum qualifications for efficient room usage. For example, a classroom used for 31.68-hours per week during the semester would achieve 100% hourly utilization. WSCH Capacity may be defined as the amount of WSCH a room has the capacity to generate based on its size and type. Title 5 standards are also used to determine WSCH Capacity for classrooms and laboratories.

Fall 2019 data for on-campus instructional offerings at BCC was provided by the Institutional Research Office at BCC. This was the most current fall term for which data was available during time of collection. The data provided information on each course section offering by room location, contact day(s) and time(s), enrollment, and WSCH. WSCH generation was calculated for each course offering within a room. If a course section utilized an Arranged (ARR) Hour contact method, WSCH was included with the space utilization however the hours were not applied as distinct room hour utilization. The total number of hours per week each room was occupied was then compared to the Title 5 standards to calculate a percentage to hourly utilization standard.

WSCH Capacity was calculated based on the room use type (i.e. classroom, lab) and the Title 5 standard for Assignable Square Footage (ASF) required to generate 100 WSCH. WSCH Capacity was compared to the actual generated WSCH to calculate each room's percentage to WSCH Capacity. The percentage

to WSCH Capacity of each room was then compared to the percentage to hourly utilization standard. A low percentage to WSCH Capacity coupled with a high percentage to hourly utilization standard implies that the room has a low station occupancy rate and may be too large for the courses being held in that room.

Like WSCH Capacity versus WSCH generation, Title 5 standards for ASF required to generate 100 WSCH is used to determine the capacity load of each room. Capacity load is a measure of a room's capacity for WSCH generation (based on size and type of room) and its actual WSCH produced. Capacity load under 100% demonstrated space need, while capacity load over 100% implies space surplus. Capacity load was then used to analyze the WSCH and ASF gap for each instructional space to be deemed efficiently utilized.

Station occupancy rate efficiency analyzes the efficiency of station usage in each room relative to Title 5 standard for station capacity. A station occupancy gap determines the need or surplus of seats within a room occupied to be deemed efficiently utilized.

ANALYSIS

The Space Utilization analysis is categorized in six sections:

1. *College-wide and Building Summary*

- a. Analyzes instructional space on an overall building level. The average hourly classroom and laboratory utilization per week by building is noted, along with the % to Title 5 Standard.

2. *Hourly Utilization by Room*

- a. Analyzes instructional space by hours of weekly utilization for Classrooms and Laboratories separately. The % to hourly standard for each room along with the gap or deviation from the standard is also shown.

- b. Analyzes the WSCH Generated versus WSCH Capacity for all instructional space at BCC. The percent to WSCH Capacity for all Classrooms and Laboratories separately are also depicted in this section.
- c. Includes data on section count, enrollment, and WSCH generation by course types that utilized each room.

3. *Room Capacity Load & WSCH Gap*

- a. Analyzes the capacity load ratio of each instructional space and the WSCH gap needed to be considered efficient utilization. If there is a space need (capacity load under 100%), then the WSCH gap will be a negative number.
- b. Analyzes the capacity load ratio of each instructional space and the ASF gap for the space to be considered efficient. If there is a space need (capacity load under 100%), then the ASF gap will be a positive number.

4. *WSCH Capacity vs. Hourly Utilization by Room*

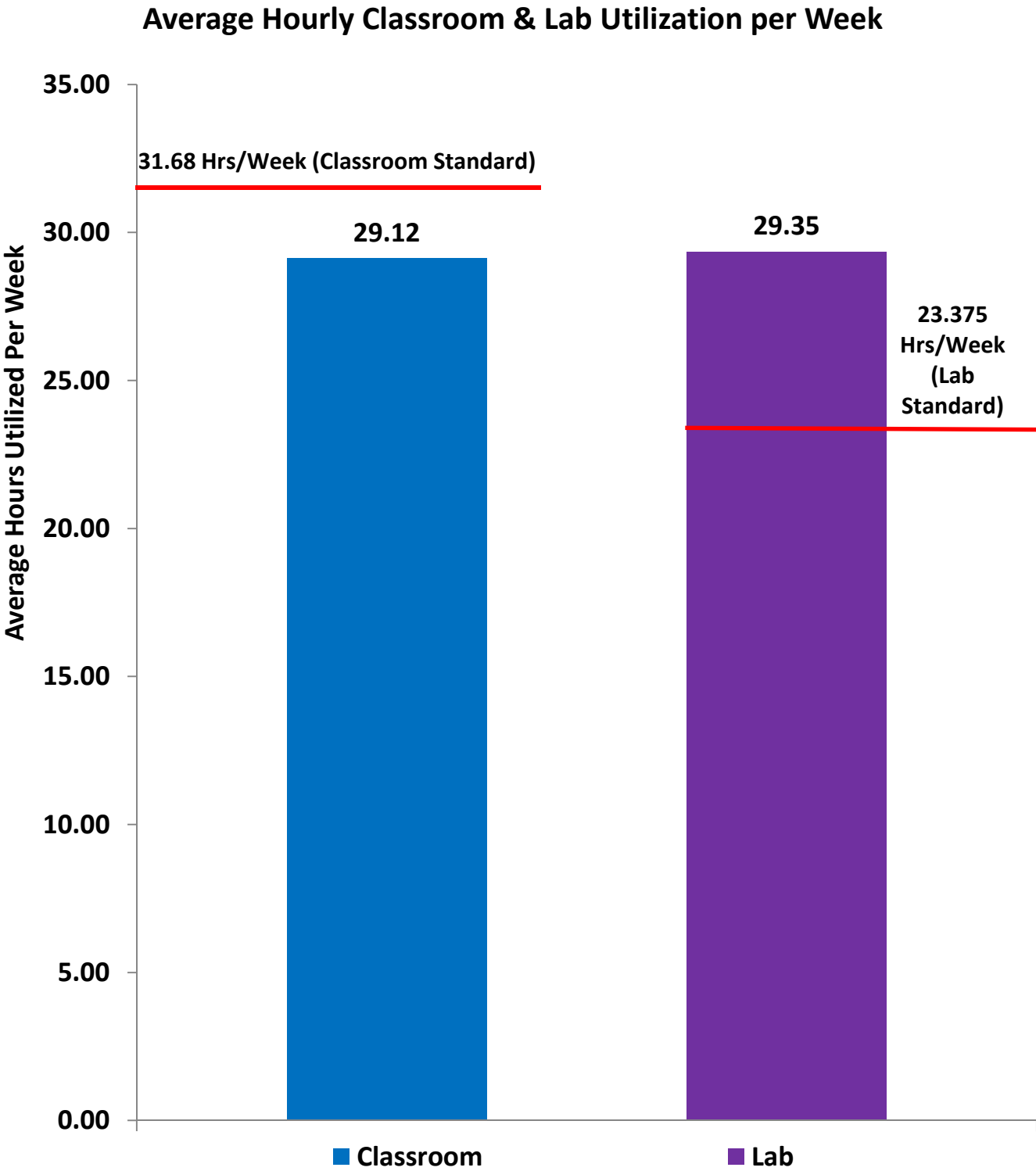
- a. Analyzes % to WSCH Capacity versus % to Hourly Utilization Standard (based on Title 5 Standards) for individual rooms.

5. *Station Occupancy Efficiency*

- a. Analyzes the actual station occupancy rate of each room and the station occupancy gap for the room to be considered efficiently utilized. If a room's station occupancy rate is above the Title 5 standard, then the Station Occupancy gap will be a negative number.



COLLEGE-WIDE SUMMARY & AT-A-GLANCE FINDINGS



- All instructional spaces (Classrooms and Laboratories) are housed in one main building and an adjacent corporate building referred to as the Teaching Learning Annex.
- During the Fall 2019 term BCC utilized a total of 27 Classrooms, 16 Laboratories, and 1 Other (Assembly) room for scheduled instruction.

AT-A-GLANCE FINDINGS

- The average classroom hourly utilization is 92% to the Title 5 Standard of 31.68 hrs./week.
- On average, classrooms could be utilized an additional 2.56 hrs./week.
- The average laboratory hourly utilization is 126% to the Title 5 Standard of 23.375 hrs./week.
- On average, laboratories are over-utilized by 5.98 hrs./week.

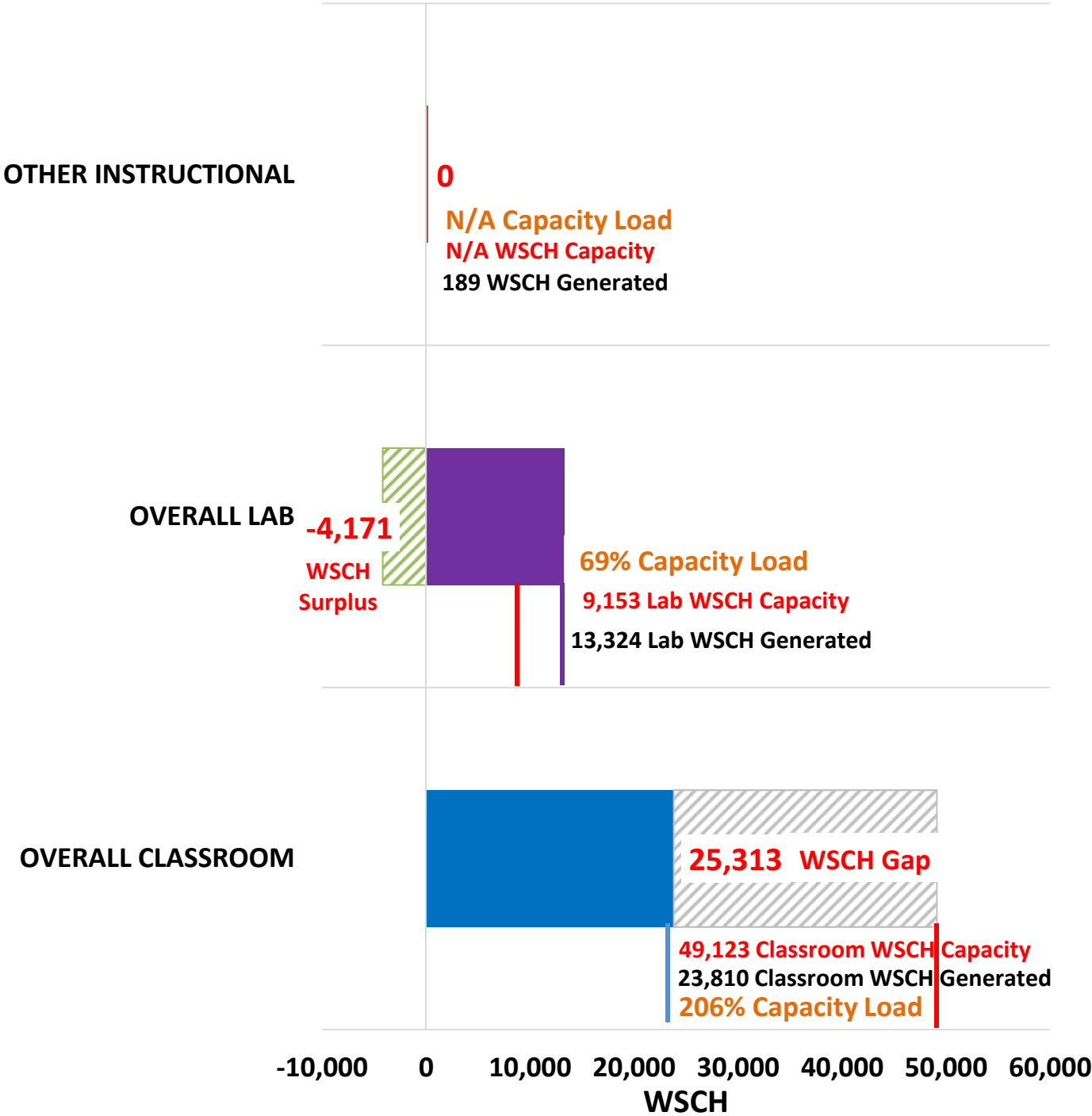


Classroom, Lab & Other Instructional
(Capacity Load & WSCH Gap)

WSCH Generated is based on actual on-campus WSCH production within each scheduled instructional space on campus. WSCH Capacity is the amount of WSCH that should be generated within instructional space based on its size (ASF) and room use type (classroom, lab).

AT-A-GLANCE FINDINGS

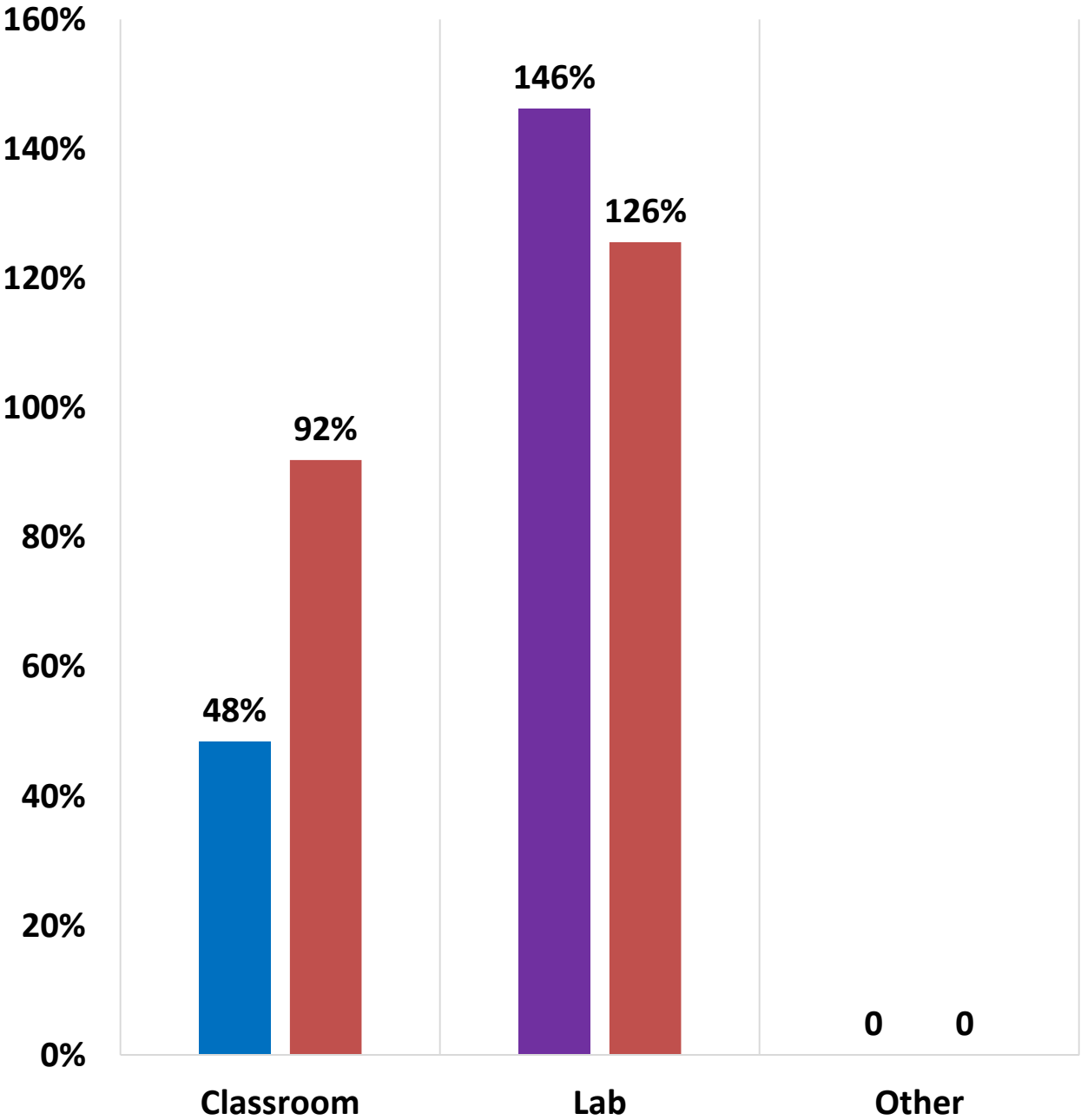
- Classroom WSCH production is 25,313 WSCH *below* the capacity supported on campus. This implies that based on the existing classroom ASF, the College should be able to generate more than double the WSCH it actually produced in Fall 2019 (Classroom space is overbuilt).
- Laboratory WSCH production is 4,171 WSCH *above* the capacity supported on campus. This implies that there is a need for more laboratory space to support the amount of lab related WSCH produced (Lab space is underbuilt).





Classroom vs. Lab
(% to WSCH Capacity vs. % to Hourly Utilization)

■ % to WSCH Capacity ■ % to Hourly Standard



“% to WSCH Capacity” versus “% to Hourly Utilization” may be helpful to analyze the relationship between WSCH production efficiency and hourly utilization within rooms.

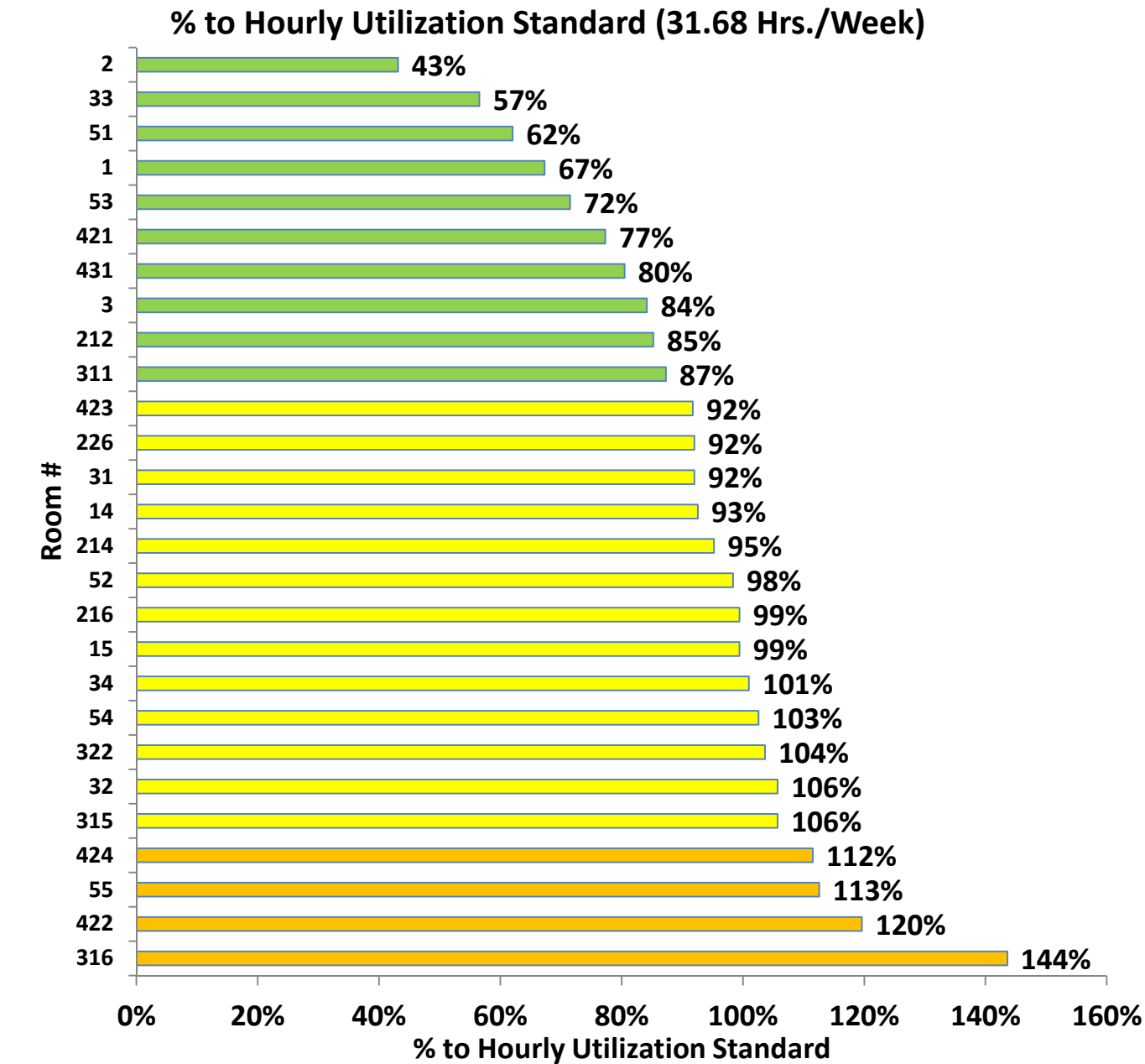
AT-A-GLANCE FINDINGS

- While the overall hourly utilization of classrooms was at 92% of Title 5 standards, WSCH production lagged behind at only 48% to standard. This implies that while classrooms were utilized for a fairly long amount of time, enrollment rates within classrooms were lower than ideal given their size (enrollment/ASF).
- Overall laboratory hourly utilization was at 126% of Title 5 standards, coupled with an exceedingly high WSCH production at 146% to standard. This implies that not only were labs over utilized, but that enrollment rates within the labs were also higher than expected.



CLASSROOM ANALYSIS & FINDINGS

% to Hourly Utilization Standard	
Over Utilization = 111% or Higher	
High Utilization = 90% - 110%	
Low Utilization = Below 90%	



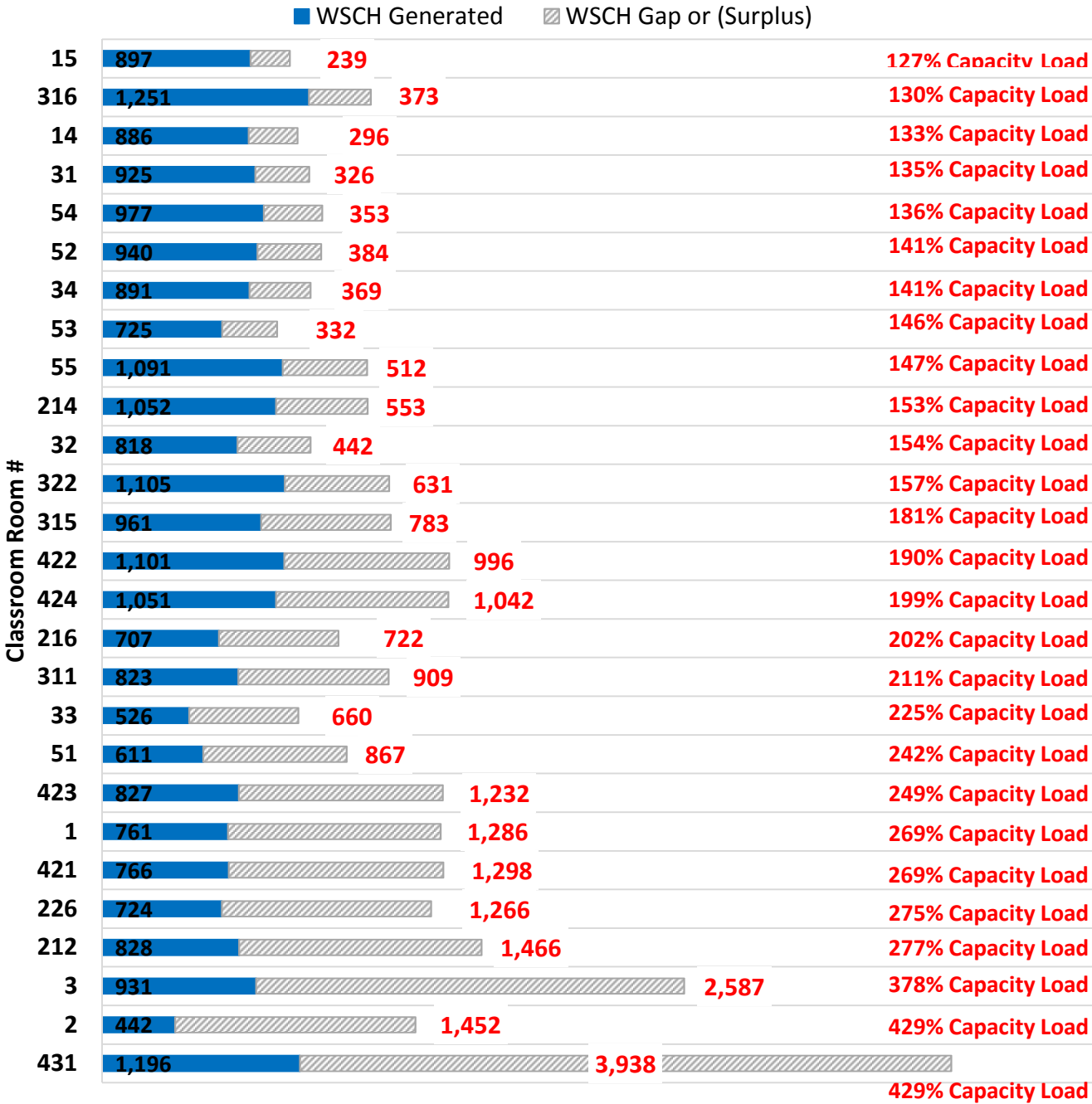
BCC Classroom Hourly Utilization			
Room	Hours/Week Utilized	Title 5 Standard	Hours/Week Utilization Gap
2	13.7	31.68	18.0
33	17.9	31.68	13.8
51	19.7	31.68	12.0
1	21.3	31.68	10.4
53	22.7	31.68	9.0
421	24.5	31.68	7.2
431	25.5	31.68	6.2
3	26.7	31.68	5.0
212	27.0	31.68	4.7
311	27.7	31.68	4.0
423	29.1	31.68	2.6
226	29.2	31.68	2.5
31	29.2	31.68	2.5
14	29.3	31.68	2.4
214	30.2	31.68	1.5
52	31.2	31.68	0.5
216	31.5	31.68	0.2
15	31.5	31.68	0.2
34	32.0	31.68	-0.3
54	32.5	31.68	-0.8
322	32.8	31.68	-1.2
32	33.5	31.68	-1.8
315	33.5	31.68	-1.8
424	35.3	31.68	-3.7
55	35.7	31.68	-4.0
422	37.9	31.68	-6.2
316	45.5	31.68	-13.8

CLASSROOM HOURLY UTILIZATION FINDINGS

- In order to get all Classrooms to at least 100% of the hourly utilization standard, 18 classrooms must increase scheduled hours:
 - Rooms 1, 2, 3, 33, 51, 53, 212, 311, 421, 431 (Green rows above) – must improve hourly utilization between 4.0 to 18.0 hours/week
 - Rooms 14, 15, 31, 52, 214, 216, 226, 423 (Yellow rows above) – must improve hourly utilization between 0.2 to 2.6 hours/week



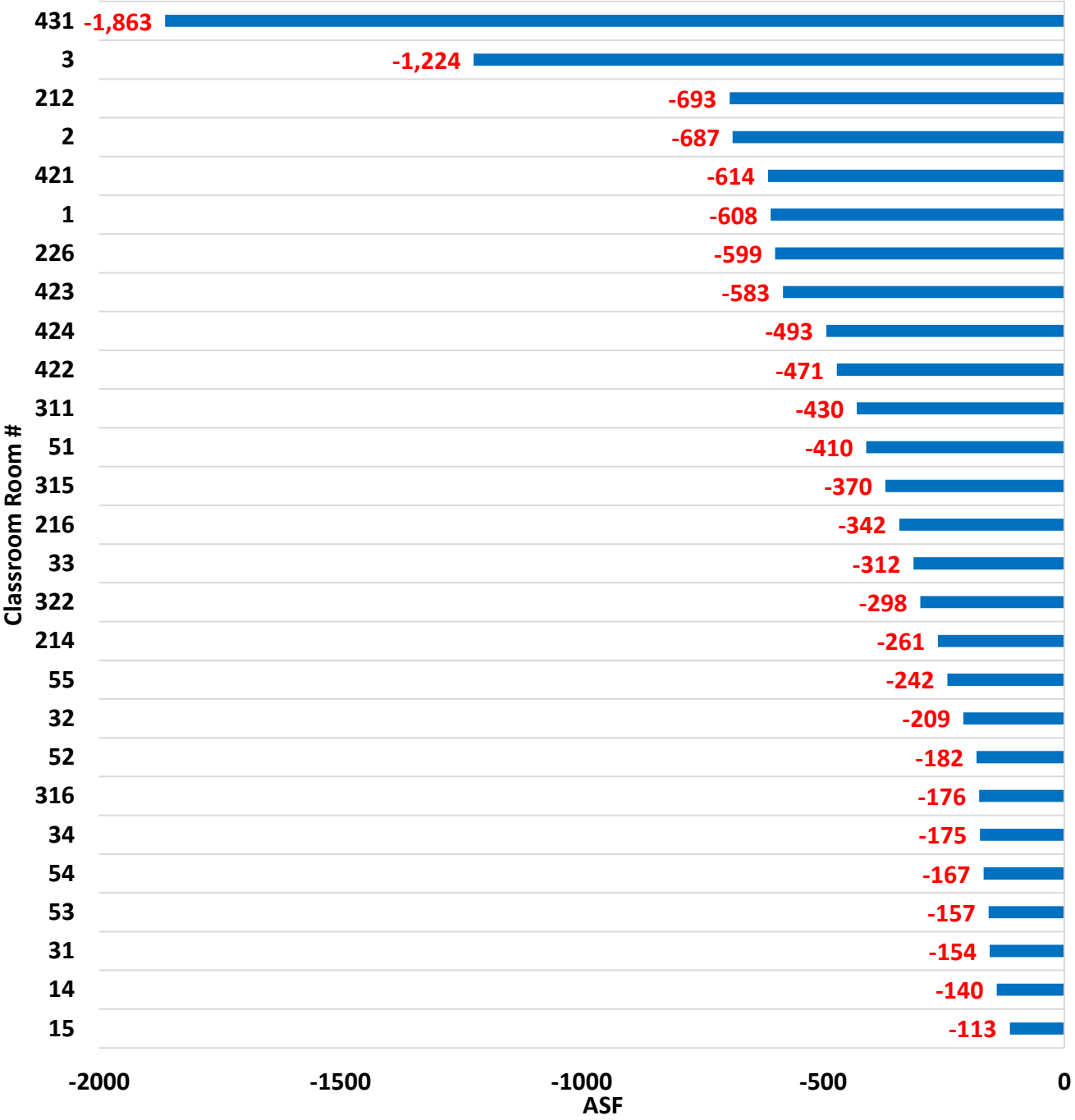
Classroom (Capacity Load & WSCH Gap)



CLASSROOM CAPACITY LOAD FINDINGS

- In order to get Classrooms to 100% Capacity Load:
 - All Classrooms must increase WSCH production by increasing station occupancy efficiency and/or scheduled hours/week

Classroom - ASF Surplus (Based on WSCH Generated in Fall 2019)



CLASSROOM ASF NEED/(SURPLUS) FINDINGS

- If classrooms continue to be schedule as they were in Fall 2019 and WSCH production remains similar, then all classrooms are larger than needed.



Chart A (Classrooms) - Low Hours & Low WSCH

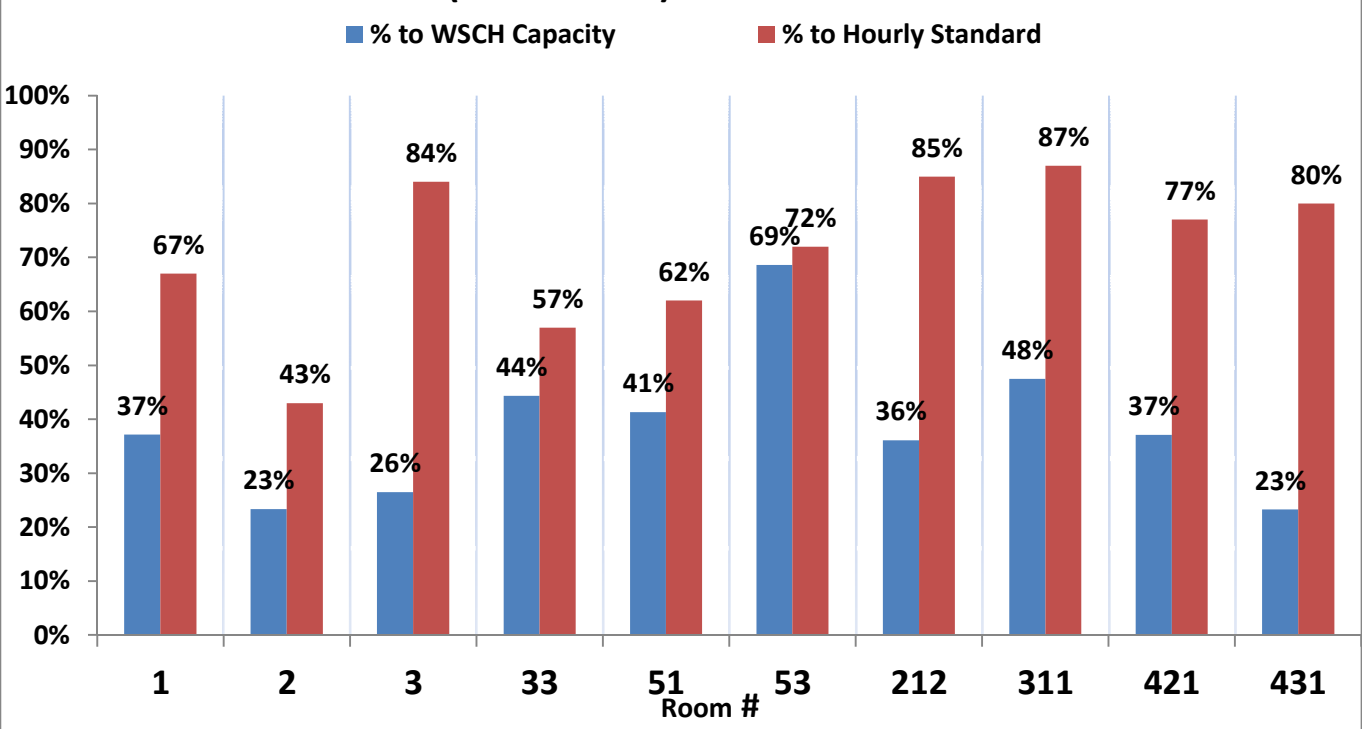
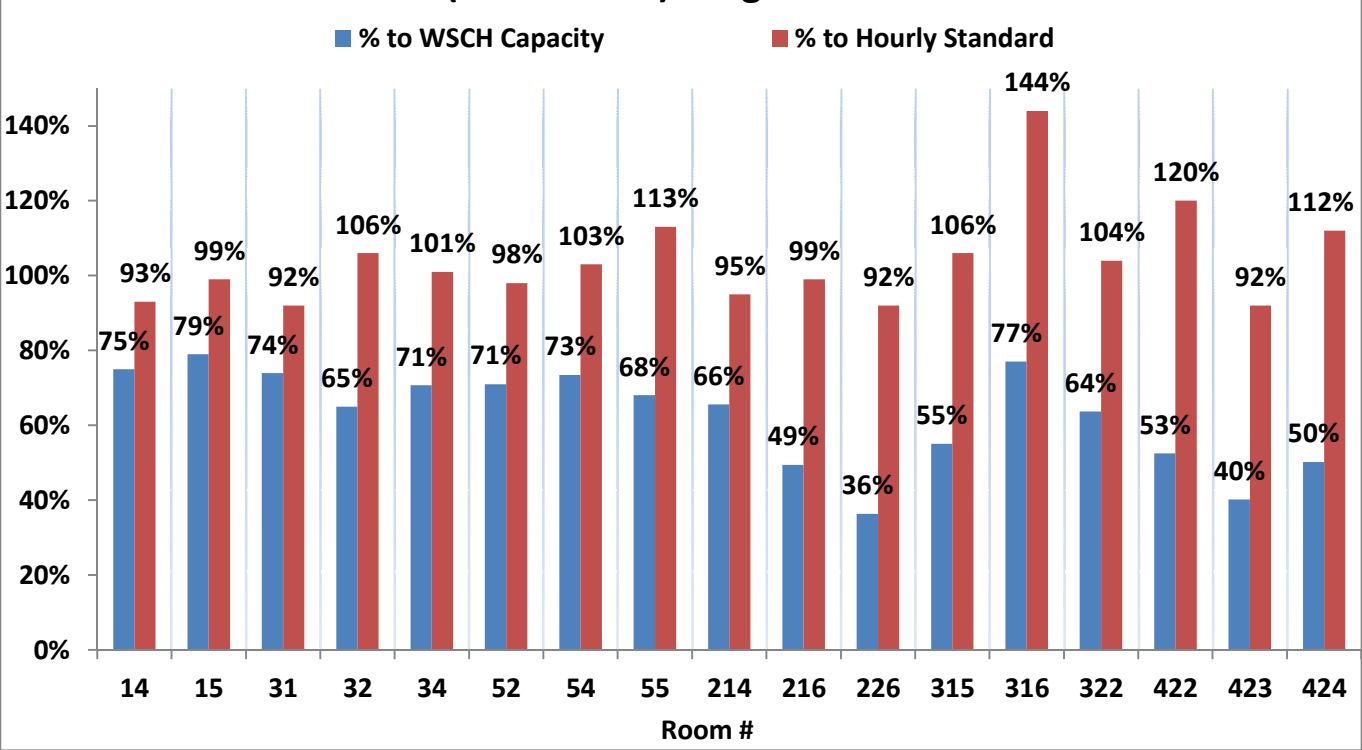


CHART B (Classrooms) - High Hours & Low WSCH

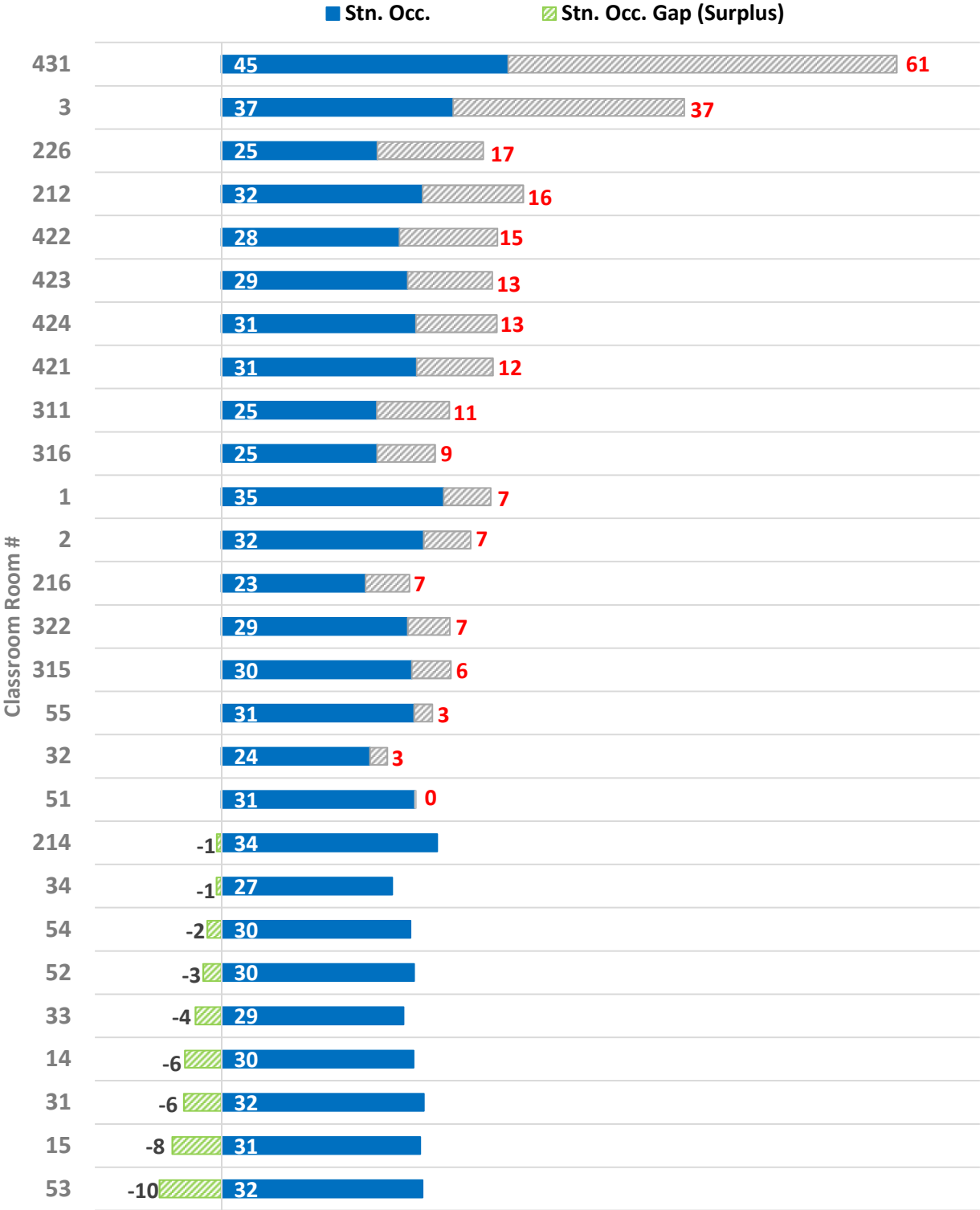


CLASSROOM WSCH CAPACITY & HOURLY UTILIZATION FINDINGS

- WSCH production standards within all classrooms failed to keep pace with hourly utilization (% to WSCH capacity did not exceed % to hourly utilization). This implies levels of inefficiency in enrollment/ASF (station occupancy efficiency).
- CHART A: These 10 classrooms had low hourly utilization coupled with low WSCH production. These rooms would benefit from:
 - Scheduling adjustments to increase station occupancy
 - Courses currently offered in these rooms may be scheduled in smaller classrooms
 - Courses with larger enrollments should use these rooms
 - Schedule as many sections as possible during the same hours
 - Scheduling adjustments to increase hours/week usage
 - Increasing the number of course types/sections utilizing room
 - Scheduling some high demand courses at off-peak hours
 - Decreasing classroom size (i.e. partitioned classrooms)
 - Repurposing of classroom space to laboratory
- CHART B: These 17 classrooms had high hourly utilization, however, WSCH did not keep pace with a congruent level of production. These rooms would benefit from:
 - Efforts to achieve higher station occupancy efficiency (see above)
 - Decreasing classroom size (i.e. partitioned classrooms)



Classroom (Avg. Station Occupancy & Station Occupancy Gap / Surplus)



CLASSROOM STATION OCCUPANY EFFICIENCY FINDINGS

- 9 Classrooms have an average station occupancy efficiency above the Title 5 standard, resulting in a station occupancy surplus (represented by the green dashed bars on adjacent chart).
 - 7 of these 9 rooms had hourly utilization rates between 92% and 103%, however, WSCH production failed to keep pace with hourly utilization (between 66% and 79%). In these rooms there was one or two courses scheduled in them that were far below the rooms average station occupancy rate, thus, negatively impacting efficiencies in WSCH production versus hourly utilization.
 - Rooms: 14, 15, 31, 34, 52, 54, 214
 - Utilization within these 9 classrooms with station occupancy surpluses would be greatly improved by eliminating sections with low enrollment from using these rooms and replacing those hours with courses that have higher enrollments.
- 9 Classrooms have a double-digit gap in average station occupancy rate.
 - The largest station occupancy inefficiencies are in some of the largest sized classrooms on campus.
 - Rooms: 3, 212, 226, 421, 422, 423, 424, 431
 - The College should limit the number of pure lecture classrooms over 900 ASF

Peralta Community College District
Berkeley City College
Fall 2019 Space Utilization



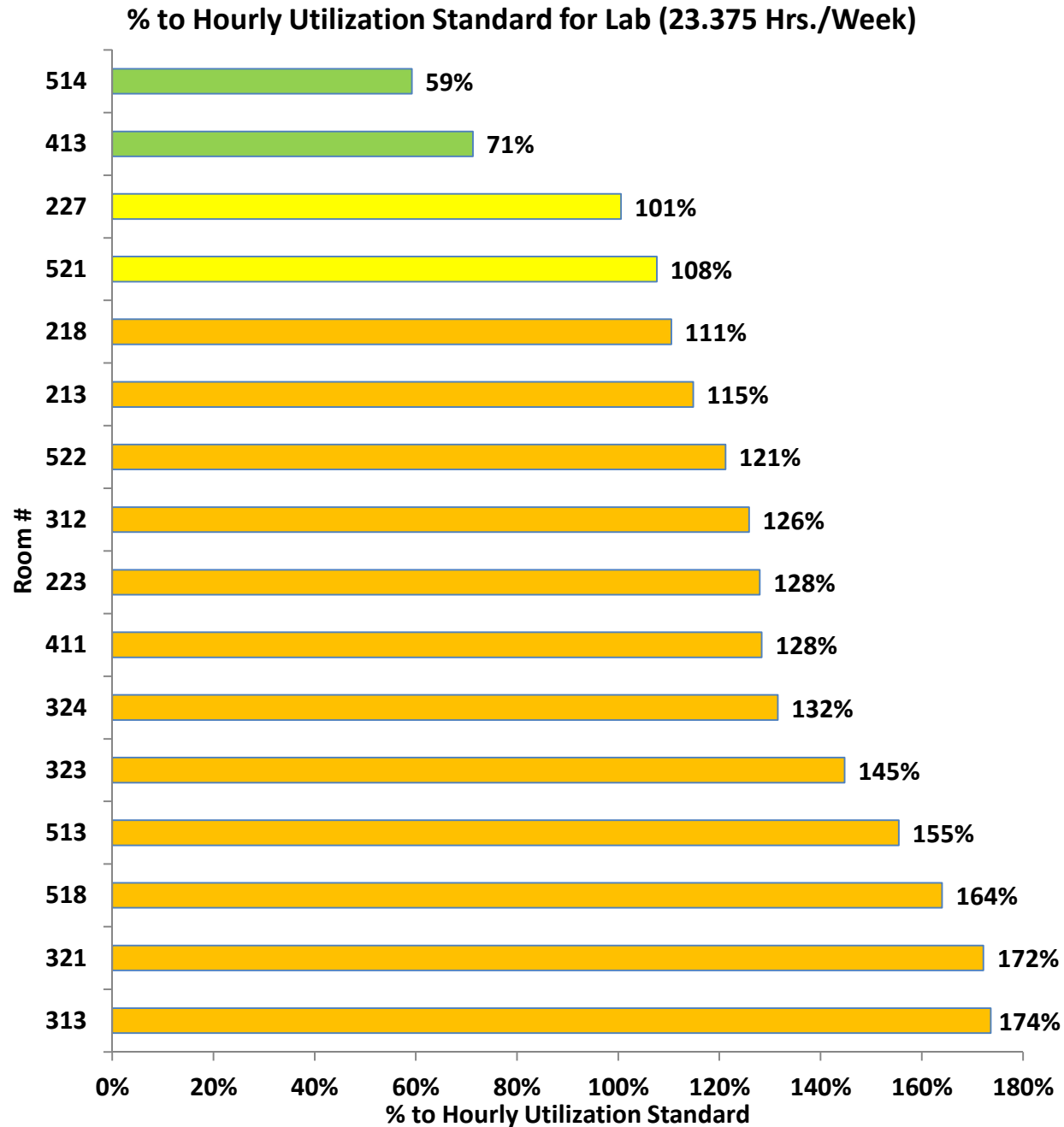
CLASSROOM ANALYTICS: ROOM-BY-ROOM SUMMARY

Room #	% to Hourly Util. Standard	% to WSCH Capacity	Variance (% to Hourly Util. & WSCH Cap.)	Capacity Load	WSCH Gap	Station Occupancy Gap	Overall Attention Ranking	Highest Deficiency
1	67%	37%	-30%	269%	1,286	7	High	WSCH Gap
2	43%	23%	-20%	429%	1,452	7	High	Low Hourly Utilization
3	84%	26%	-58%	378%	2,587	37	High	Station Occupancy Gap
14	93%	75%	-18%	133%	296	-6	Low	WSCH Gap
15	99%	79%	-20%	127%	239	-8	Low	WSCH Gap
31	92%	74%	-18%	135%	326	-6	Low	WSCH Gap
32	106%	65%	-41%	154%	442	3	Medium	WSCH Gap
33	57%	44%	-13%	225%	660	-4	High	Low Hourly Utilization
34	101%	71%	-30%	141%	369	-1	Low	WSCH Gap
51	62%	41%	-21%	242%	867	0	High	Low Hourly Utilization
52	98%	71%	-27%	141%	384	-3	Low	WSCH Gap
53	72%	69%	-3%	146%	332	-10	Low	Low Hourly Utilization
54	103%	73%	-30%	136%	353	-2	Low	WSCH Gap
55	113%	68%	-45%	147%	512	3	Medium	WSCH Gap
212	85%	36%	-49%	277%	1,466	16	High	Station Occupancy Gap
214	95%	66%	-29%	153%	553	-1	Medium	WSCH Gap
216	99%	49%	-50%	202%	722	7	High	WSCH Gap
226	92%	36%	-56%	275%	1,266	17	High	Station Occupancy Gap
311	87%	48%	-39%	211%	909	11	High	Station Occupancy Gap
315	106%	55%	-51%	181%	783	6	High	Station Occupancy Gap
316	144%	77%	-67%	130%	373	9	Medium	Station Occupancy Gap
322	104%	64%	-40%	157%	631	7	Medium	Station Occupancy Gap
421	77%	37%	-40%	269%	1,298	12	High	Station Occupancy Gap
422	120%	53%	-67%	190%	996	15	High	Station Occupancy Gap
423	92%	40%	-52%	249%	1,232	13	High	Station Occupancy Gap
424	112%	50%	-62%	199%	1,042	13	High	Station Occupancy Gap
431	80%	23%	-57%	429%	3,938	61	High	Station Occupancy Gap



LAB ANALYSIS & FINDINGS

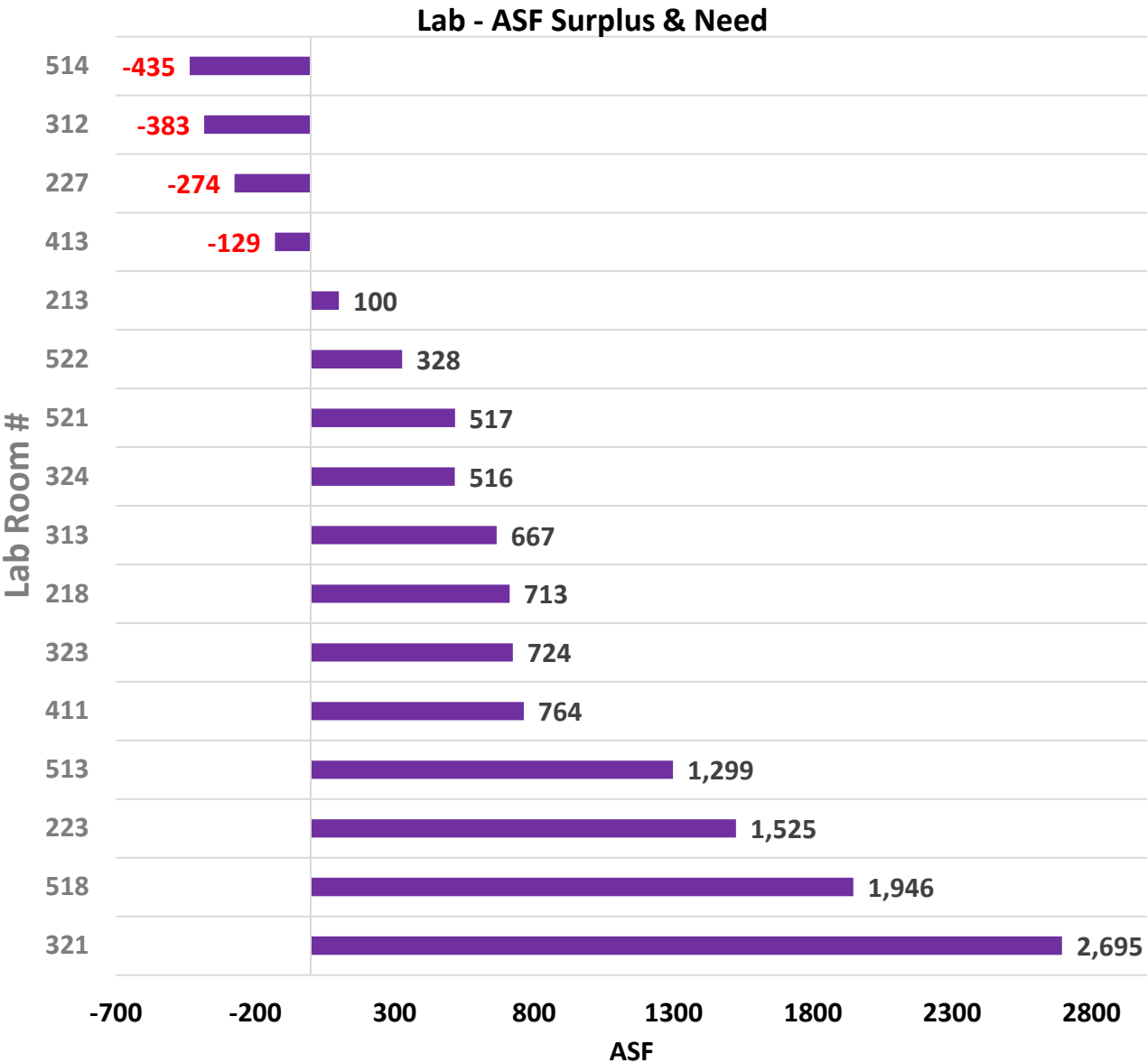
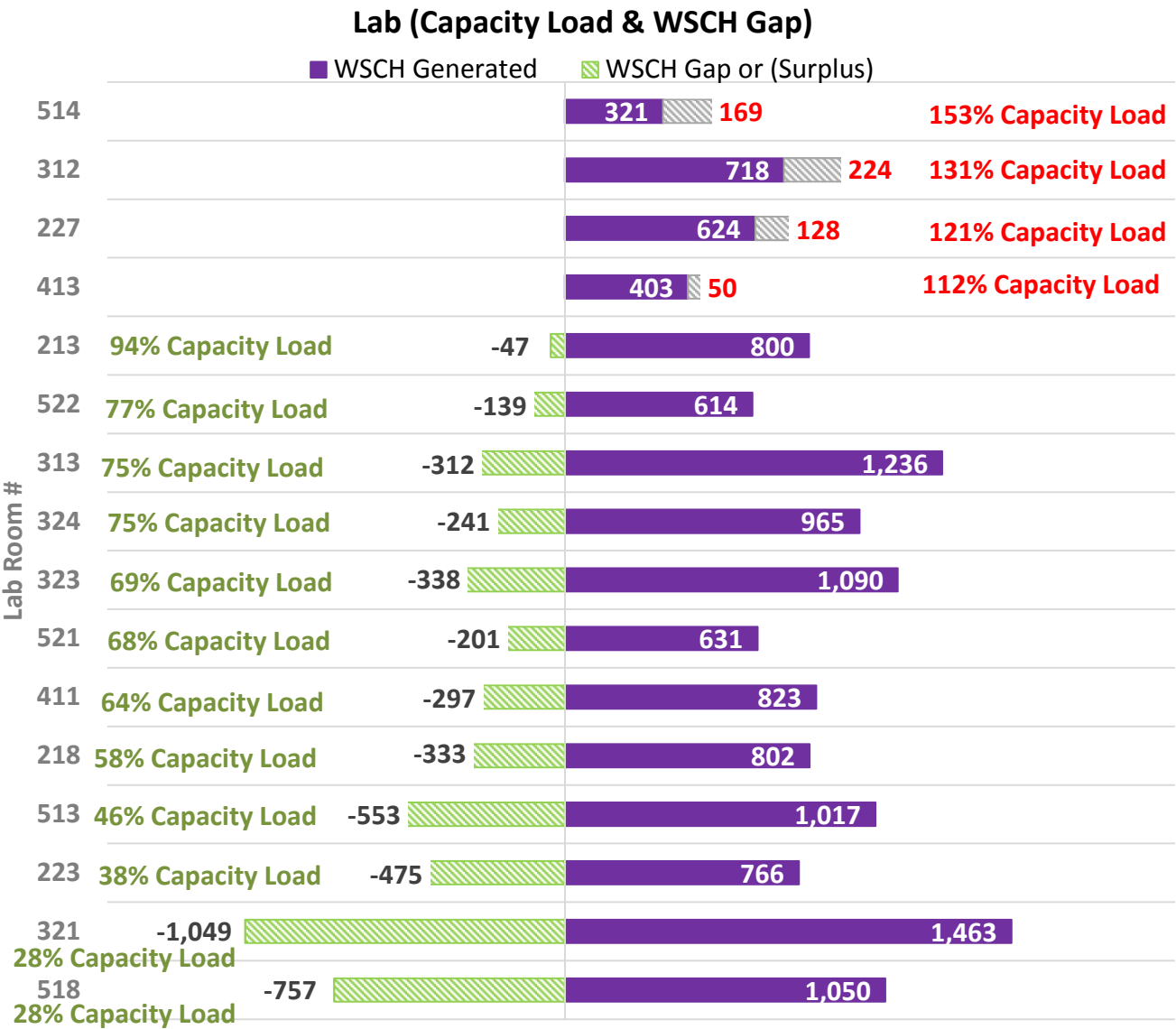
% to Hourly Utilization Standard	
Over Utilization = 111% or Higher	
Efficient Utilization = 90% - 110%	
Low Utilization = Below 90%	



BCC Laboratory Hourly Utilization			
Room	Hours/Week Utilized	Title 5 Standard	Hours/Week Utilization Gap
514	13.8	23.375	9.5
413	16.7	23.375	6.7
227	23.5	23.375	-0.1
521	25.2	23.375	-1.8
218	25.8	23.375	-2.5
213	26.8	23.375	-3.5
522	28.3	23.375	-5.0
312	29.4	23.375	-6.0
223	29.9	23.375	-6.5
411	30.0	23.375	-6.6
324	30.8	23.375	-7.4
323	33.8	23.375	-10.5
513	36.3	23.375	-13.0
518	38.3	23.375	-15.0
321	40.3	23.375	-16.9
313	40.6	23.375	-17.2

LAB HOURLY UTILIZATION FINDINGS

- Only 2 labs have low hourly utilization (Rooms 413, and 514) and should increase scheduling by 6.7 hours and 9.5 hours/week, respectively.
- 14 of the 16 labs on campus exceeded the Title 5 standard for hourly utilization during this semester (yellow and orange colors above).
- 12 of the 16 labs on campus are over utilized based on hourly use/week (% to hourly utilization standard over 110% (orange color above)).

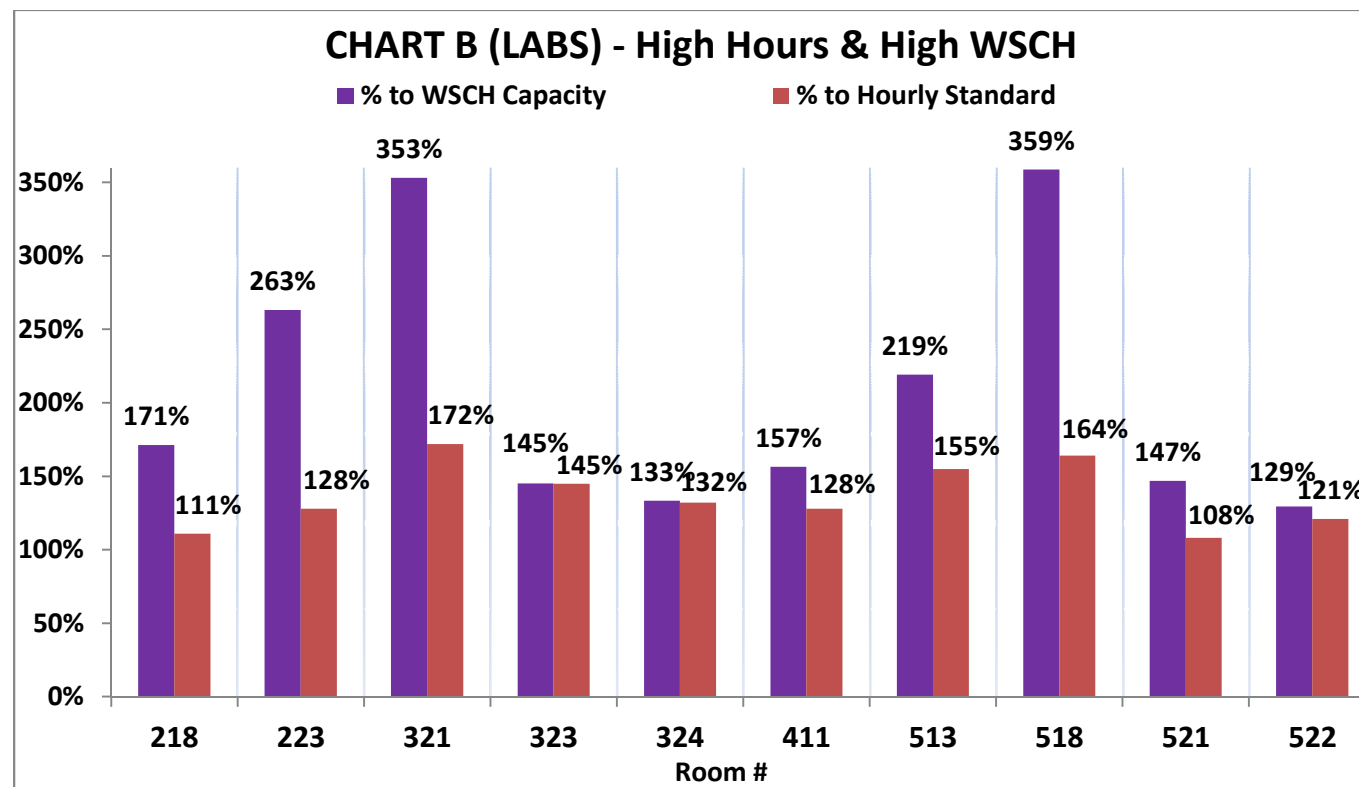
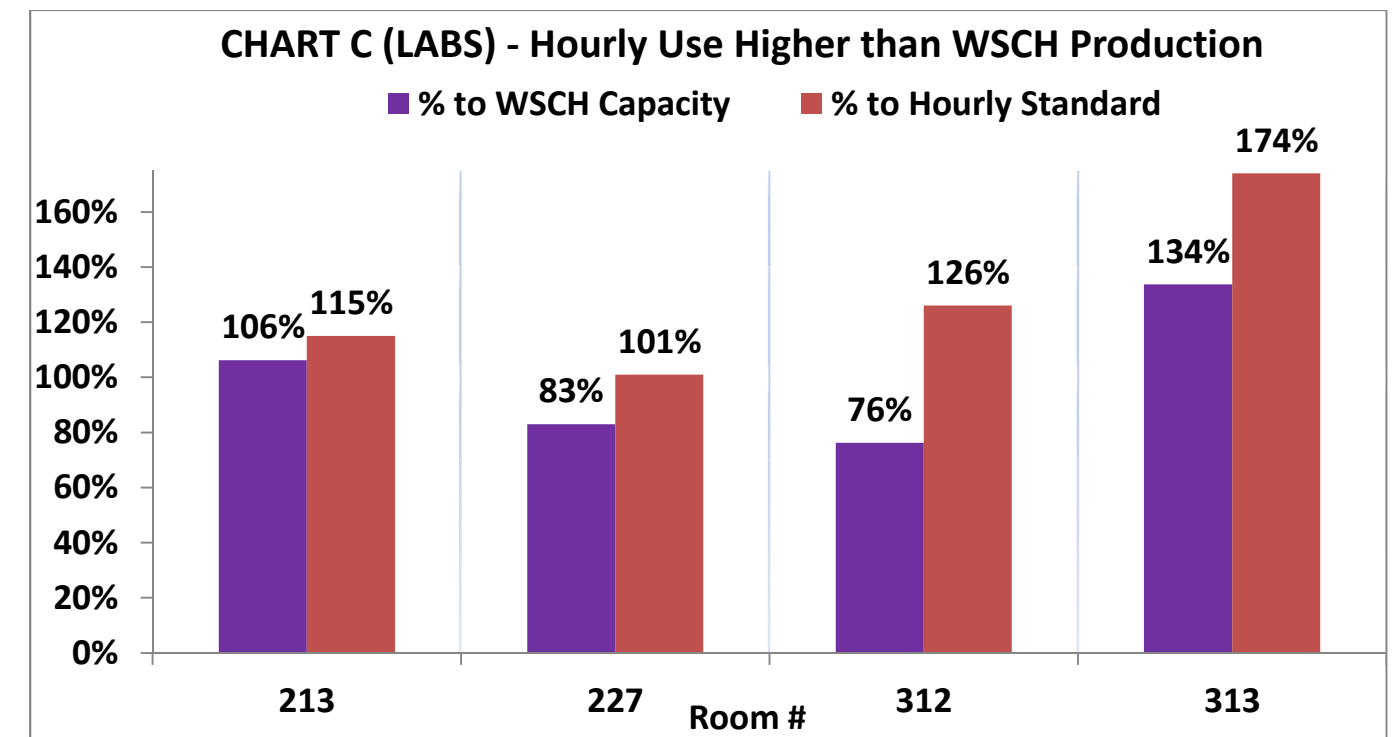
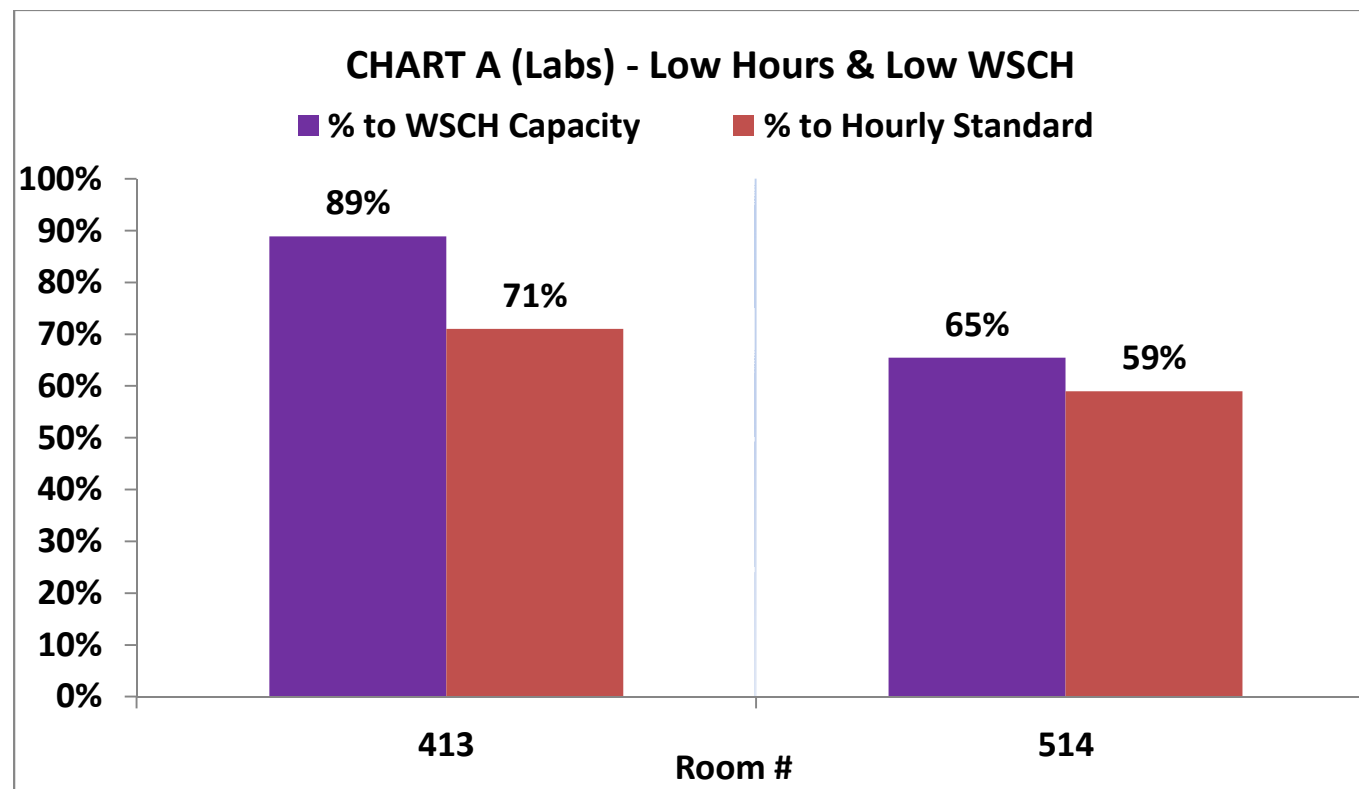


LAB CAPACITY LOAD FINDINGS

- Only 4 of the 16 labs have a capacity load over 100% (implying inefficient usage).
 - Rooms 413 and 514 must increase WSCH production by increasing station occupancy efficiency and/or scheduled hours/week
 - Rooms 227 and 312 must increase WSCH production by increasing station occupancy efficiency (hourly utilization is already above 100%)

LAB SPACE NEEDS/(SURPLUS) FINDINGS

- 12 of the 16 labs have a space need (capacity load under 100%) based on their current size and WSCH production in Fall 2019. These rooms combine for an overall lab need on campus of 11,794 ASF.



LAB WSCH CAPACITY & HOURLY UTILIZATION FINDINGS

- CHART A: These 2 labs had low hourly utilization coupled with low WSCH production. Room 413 is an Art lab and Room 514 was a Chemistry lab. These rooms would benefit from:
 - Scheduling adjustments to increase station occupancy
 - Courses currently offered in these rooms may be scheduled in smaller labs
 - Courses with larger enrollments should use these rooms
 - Schedule as many sections as possible during the same hours
 - Scheduling adjustments to increase hours/week usage
 - Increasing the number of course types/sections utilizing room
 - Scheduling some high demand courses at off-peak hours
 - Decreasing lab size
 - Repurposing of specialized areas into more flexible labs that could be used by multiple departments

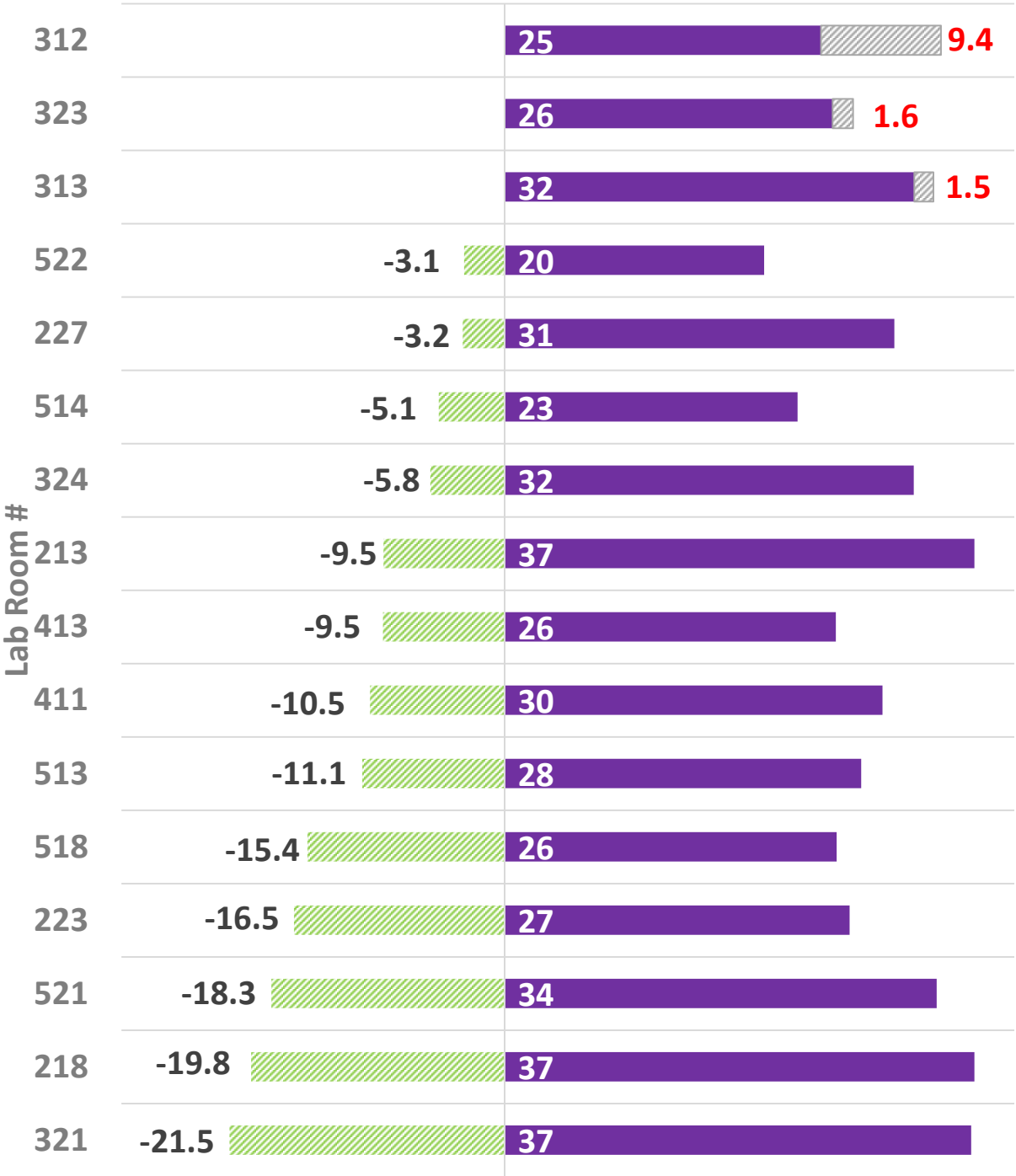


- CHART B: These 10 Labs are very highly utilized from both hourly utilization and WSCH generated perspectives. These rooms would benefit from:
 - Increasing the number of flexible computer labs (Digital Media, Computer Info. Systems, Math lab, American Sign Language, and other programs with computer lab needs)
 - Increasing the number of Science labs (flexible physical sciences, biological sciences)
- CHART C: These 4 labs had high hourly utilization; however, WSCH did not keep pace with a matching level of production. These rooms would benefit from:
 - Rooms 227 and 312 would benefit from efforts to achieve higher station occupancy efficiency
 - Decreasing lab size



Lab (Avg. Station Occupancy &
Station Occupancy Gap / Surplus)

■ Stn. Occ. ■ Stn. Occ. Gap (Surplus)



LAB STATION OCCUPANCY EFFICIENCY FINDINGS

- 13 Labs have an average station occupancy efficiency above the Title 5 standard, resulting in a station occupancy surplus (represented by the green dashed bars on adjacent chart).
 - Of these rooms only Room 227 had an hourly utilization rate over 100%, but WSCH projection lagged at 83% to standard. This rooms utilization would be greatly improved by eliminating sections with low enrollment from using the room and replacing those hours with a course section with higher enrollment.
 - Rooms 413 and 514 both have high station occupancy efficiencies, however, failed to reach efficient levels of hourly utilization and WSCH production. These rooms would benefit from scheduling additional course offerings.
 - Rooms with the highest station occupancy surpluses would benefit from addition labs to serve student demand.
- Room 312 has the highest gap in average station occupancy rate. While hourly utilization in this room exceeded Title 5 standards, WSCH production lagged behind. This rooms utilization would be greatly improved by eliminating sections with low enrollment from using the room and replacing those hours with a course section with higher enrollment.
- The College is over utilizing many of its existing labs and has a need for increased lab capacity:
 - Construct more lab rooms and/or repurpose underutilized classrooms to laboratories.

Peralta Community College District
Berkeley City College
Fall 2019 Space Utilization

LAB ANALYTICS: ROOM-BY-ROOM SUMMARY

Room #	% to Hourly Utilization Standard	% to WSCH Capacity	Variance (% to Hourly Util. & WSCH Cap.)	Capacity Load	WSCH Gap	Station Occupancy Gap	Overall Attention Ranking	Highest Concern
213	115%	106%	-9%	94%	-47	-9	Low	Overcrowded Station Occupancy
218	111%	171%	60%	58%	-333	-20	High	Overcrowded Station Occupancy
223	128%	263%	135%	38%	-475	-16	High	Overcrowded Station Occupancy
227	101%	83%	-18%	121%	128	-3	Medium	WSCH Gap
312	126%	76%	-50%	131%	224	9	High	Station Occupancy Gap
313	174%	134%	-40%	75%	-312	2	Medium	WSCH Gap
321	172%	353%	181%	28%	-1,049	-22	High	Overcrowded Station Occupancy
323	145%	145%	0%	69%	-338	2	Low	High Hourly Utilization
324	132%	133%	1%	75%	-241	-6	Medium	Overcrowded Station Occupancy
411	128%	157%	29%	64%	-297	-11	Medium	Overcrowded Station Occupancy
413	71%	89%	18%	112%	50	-9	Medium	Low Hourly Utilization
513	155%	219%	64%	46%	-553	-11	High	Overcrowded Station Occupancy
514	59%	65%	6%	153%	169	-5	High	Low Hourly Utilization
518	164%	359%	195%	28%	-757	-15	High	Overcrowded Station Occupancy
521	108%	147%	39%	68%	-201	-18	Medium	Overcrowded Station Occupancy
522	121%	129%	8%	77%	-139	-3	Low	High Hourly Utilization



GENERAL SPACE INVENTORY CONSIDERATIONS

1. Review Space Inventory and verify room use classifications for classroom and lab space is consistent with the type of WSCH being generated in each instructional room (lecture/lab).
 - Room #1, 2 & 3 (Teaching Learning Annex): Classified as “Inactive” space, however lecture instructional courses are taught out of these rooms and should be considered Classroom space. These rooms have been adjusted to accurately reflect as Classrooms for this study.
 - Room #218: Classified as “Audio/Visual, Radio, TV”, however lab instructional courses are taught in this room. The space should be re-classified as Class Lab, and has been updated in this study for better accuracy and completeness.
 - Room #126 should be reclassified as 540 Clinic Student Care since this room is used for testing.
 - Room #225 should be reclassified as 215 Lab Service since this room is a lab support room that is used for equipment storage.
 - The TOP Code of each laboratory should also be evaluated to assure that the program utilizing the majority of clock hours and generating the most WSCH for the semester are accurately represented.



Berkeley City College

Space Utilization Study: Building Summary



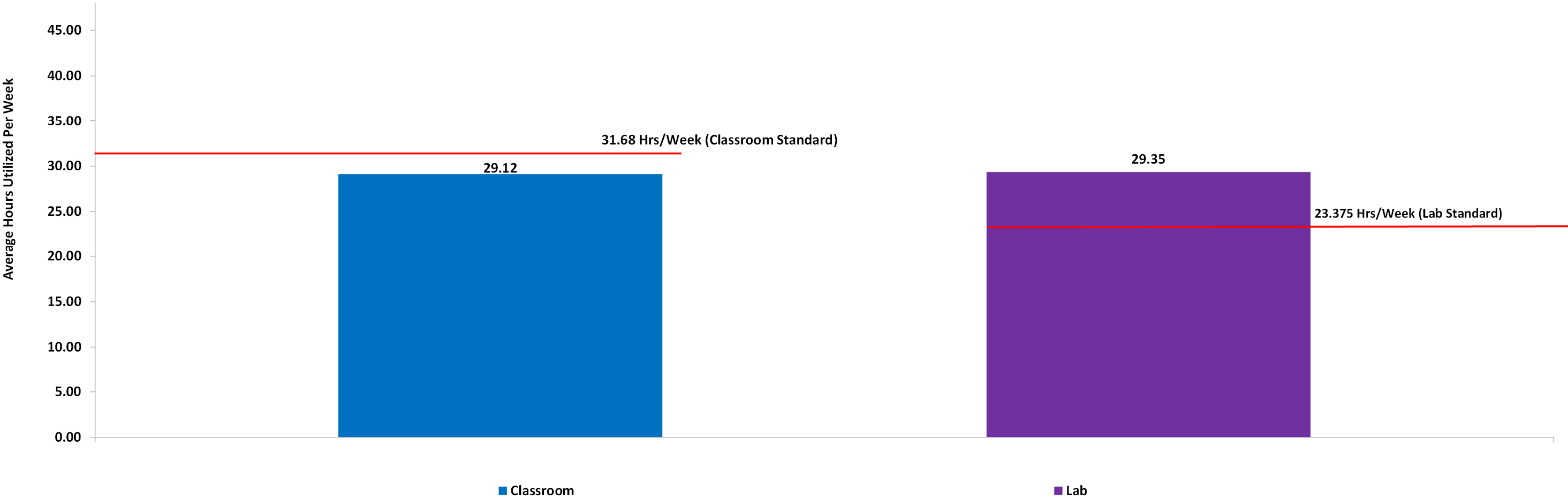
BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: BY ROOM CAMPUS

- * Laboratory count includes rooms categorized as "Special Class Lab" but not rooms categorized as "Non-Class Lab", "Individual Study Lab", or Lab Service.
- * Average Clock Hours/Week not applicable to rooms categorized as "Special Class Laboratory" since these are typically not scheduled for instruction.
- * "Other Instructional" includes rooms scheduled for instruction but not categorized as Classroom or Class Lab (i.e. Athletics/P.E., Assembly, Read/Study, Office, etc.).
- **Buildings listed on BCC Fall 2019 class schedule, but not listed on space inventory provided by BCC.

Building Avg. Hourly Utilization per Week	
Over Utilization = 111% or Higher	
Efficient Utilization = 90% - 110%	
Low Utilization = Below 90%	

Berkeley City College (BCC) Building Summary										
Bldg. No.	Building	ASF	Room Count				Classrooms Avg. Utilization		Laboratory Avg. Utilization	
			Classrooms	Laboratory*	Other Instructional	Total Instructional	Avg. Clock Hours/Wk.	% to Standard (31.68 hrs./wk.)	Avg. Clock Hours/Wk.	% to Standard (23.375 hrs/wk.)
1	Berkeley City College	43,807	24	16	1	41	30.19	95%	29.35	126%
2	Teaching Learning Annex	3,528	3	0	0	3	20.56	65%	N/A	N/A
TOTAL CAMPUS (FALL 2019)		47,335	27	16	1	44	29.12	92%	29.35	126%

Average Hourly Classroom & Lab Utilization per Week (College-wide)





Berkeley City College

Space Utilization Study: Room Utilization



TITLE V STANDARDS
Instructional space utilization is based on a maximum 70-hours per week (M-F 8:00am - 10:00pm)
Classroom utilization standard for a College generating less than 140,000 WSCH should be at least 31.68 hours per week out of an available 48 hours a week
Lab utilization standard for a College generating less than 140,000 WSCH should be at least 23.375 hours per week out of an available 27.5 hours a week
Utilization Analysis does not include courses held exclusively online.

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION

											Min. Lab Utilization Standard (23.375 Hrs/Wk)																Min. Classroom Utilization Standard (31.68 Hrs/Wk)															
											% TO STANDARD (CLASSROOM)																% TO STANDARD (LAB)															
											2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48								
											8%	16%	22%	28%	34%	40%	46%	52%	58%	64%	70%	76%	82%	88%	94%	100%	108%	116%	122%	128%	134%	140%	146%	152%								
											1%	10%	19%	28%	37%	46%	55%	64%	73%	82%	91%	100%	110%	119%	128%	137%	146%	155%	164%	173%	182%	191%	200%	210%								
Teaching Learning Annex																																										
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk																																
1	Classroom	General Assignment	968	55	2,046.51																																					
Teaching Learning Annex (inactive space in FUSION)						ANTHR 18	1	35	87.50	2.50																																
						BUS 6	1	23	65.17	2.83																																
						ECON 2	1	38	107.67	2.83																																
						ENGL 5	1	40	100.00	2.50																																
						MATH 13	1	39	143.00	3.67																																
						MATH 3A	1	40	180.00	4.50																																
						MATH 3E	1	31	77.50	2.50																																
						TOTAL	7	246	760.83	21.33																																
						% to Hourly Utilization Standard										67%																										
						% to WSCH Capacity										37%																										
																ANTHR: 2.50 ENGL: 2.50																										
																BUS: 2.83 ECON: 2.83 MATH: 10.67															10.35 CLOCK HRS/WK GAP											
																															1,285.68 WSCH GAP											
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk																																
2	Classroom	General Assignment	896	43	1,894.29																																					
Teaching Learning Annex (inactive space in FUSION)						BUS 10	1	41	102.50	2.50																																
						COUN 24	1	20	50.00	2.50																																
						MATH 216	1	31	25.83	0.83																																
						MATH 50	1	31	77.50	2.50																																
						PHIL 31A	1	28	70.00	2.50																																
						PSYCH 1A	1	41	116.17	2.83																																
						TOTAL	6	192	442.00	13.67																																
						% to Hourly Utilization Standard										43%																										
						% to WSCH Capacity										23%																										
																COUN: 2.50 PHIL: 2.50																										
																BUS: 2.50 MATH: 3.33 PSYCH: 2.83															18.01 CLOCK HRS/WK GAP											
																															1,452.29 WSCH GAP											
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk																																
3	Classroom	General Assignment	1,664	73	3,517.97																																					
Teaching Learning Annex (inactive space in FUSION)						BIOL 10	1	53	132.50	2.50																																
						BIOL 1A	1	55	137.50	2.50																																
						BUS 10	1	44	124.67	2.83																																
						HIST 19	1	24	60.00	2.50																																
						HIST 7A	1	35	99.17	2.83																																
						MATH 1	1	27	99.00	3.67																																
						MATH 3B	1	18	81.00	4.50																																
						PSYCH 1A	1	36	102.00	2.83																																
						PSYCH 6	1	38	95.00	2.50																																
						TOTAL	9	330	930.83	26.67																																
						% to Hourly Utilization Standard										84%																										
						% to WSCH Capacity										26%																										
																BIOL: 5.00 BUS: 2.83 HIST: 5.33 MATH: 8.17															PSYCH: 5.33											
																															5.01 CLOCK HRS/WK GAP											
																															2,587.14 WSCH GAP											
Berkeley City College																																										
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk																																
14	Classroom	General Assignment	559	35	1,181.82																																					
Each section of course duplicated in data. Each section of course duplicated in data. Each section of course duplicated in data.						ART 2	1	17	48.17	2.83																																
						ART 182	1	34	96.33	2.83																																
						ESOL 263A	1	13	47.67																																	
						ESOL 263B	1	7	25.67	3.67																																
						ESOL 563	1	17	62.33																																	
						ESOL 274A	1	15	55.00																																	
						ESOL 274B	1	2	7.33	3.67																																
						ESOL 574	1	14	51.33																																	
						ESOL 52A	3	49	220.50																																	
						ESOL 52B	1	1	4.50	13.50																																
						ESOL 552	3	38	171.00																																	
						PHIL 10	1	34	96.33	2.83																																
TOTAL	16	241	886.17	29.33																																						
						% to Hourly Utilization Standard										93%																										
						% to WSCH Capacity										75%																										
																ART: 5.66 ESOL: 20.84															2.35 CLOCK HRS/WK GAP											
																															295.65 WSCH GAP											



TITLE V STANDARDS

Instructional space utilization is based on a maximum 70-hours per week (M-F 8:00am - 10:00pm)
Classroom utilization standard for a College generating less than 140,000 WSCH should be at least 31.68 hours per week out of an available 48 hours a week
Lab utilization standard for a College generating less than 140,000 WSCH should be at least 23.375 hours per week out of an available 27.5 hours a week
Utilization Analysis does not include courses held exclusively online.

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION										Min. Lab Utilization Standard (23.375 Hrs/Wk)																Min. Classroom Utilization Standard (31.68 Hrs/Wk)															
										% TO STANDARD (CLASSROOM)																% TO STANDARD (LAB)															
										2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48								
										1%	10%	19%	28%	37%	46%	55%	64%	73%	82%	91%	100%	110%	119%	128%	137%	146%	155%	164%	173%	182%	191%	200%	210%								
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk																															
15	Classroom	General Assignment	537	35	1,135.31																																				
						AFRAM 33	1	34	96.33	2.83																															
						Each section of course duplicated in data. ESOL 253A	2	29	130.50																																
						Each section of course duplicated in data. ESOL 253B	1	2	9.00	9.00																															
						Each section of course duplicated in data. ESOL 553	2	31	139.50																																
						ESOL 273A	1	14	51.33																																
						ESOL 273B	1	5	18.33	3.67																															
						ESOL 573	1	15	55.00																																
						ESOL 293	1	11	27.50																																
						ESOL 294	1	3	7.50	2.50																															
						One section of course duplicated in data. ESOL 50A	2	27	87.33																																
						Each section of course duplicated in data. ESOL 550	2	42	139.83	6.50																															
						MATH 3B	1	16	72.00	4.50																															
						MATH 3F	1	25	62.50	2.50																															
						TOTAL	17	254	896.66	31.50	AFRAM: 2.83																														
						% to Hourly Utilization Standard				99%	ESOL: 21.67																MATH: 7.00		0.18 CLOCK HRS/WK GAP												
						% to WSCH Capacity				79%																	238.65		WSCH GAP												
21	Assembly	Community Recreation	3,288	230	N/A																																				
						MATH 3B	1	42	189.00	4.50																															
						TOTAL	1	42	189.00	4.50																															
						% to Hourly Utilization Standard				N/A																															
						% to WSCH Capacity				N/A																															
31	Classroom	General Assignment	592	35	1,251.59																																				
						ART 3	1	31	87.83	2.83																															
						Each section of course duplicated in data. ART 13	1	39	110.50	2.83																															
						COMM 45	2	64	168.67	5.33																															
						Each section of course duplicated in data. EDUC 99	1	15	42.50	2.83																															
						ENGL 85B	1	22	84.33	3.83																															
						HIST 7B	1	30	75.00	2.50																															
						MATH 13	1	40	146.67	3.67																															
						PSYCH 1A	1	42	105.00	2.50																															
						PSYCH 21	1	37	104.83	2.83																															
						TOTAL	10	320	925.34	29.15	EDUC: 2.83 HIST: 2.50 MATH: 3.67																														
						% to Hourly Utilization Standard				92%	ART: 5.66						COMM: 5.33		ENGL: 3.83				PSYCH: 5.33		2.53		CLOCK HRS/WK GAP														
						% to WSCH Capacity				74%																	326.25		WSCH GAP												
32	Classroom	General Assignment	596	35	1,260.04																																				
						ANTHR 1	1	25	62.50	2.50																															
						ANTHR 3	1	30	75.00	2.50																															
						Each section of course duplicated in data. BIOL 1B	1	32	80.00	2.50																															
						BUS 1A	1	21	77.00	3.67																															
						Each section of course duplicated in data. ETHST 1	1	14	39.67	2.83																															
						HIST 7B	1	15	42.50	2.83																															
						MATH 1	2	58	216.17	7.50																															
						MATH 13	1	33	126.50	3.83																															
						MATH 16A	1	27	76.50	2.83																															
						MATH 3F	1	9	22.50	2.50																															
						TOTAL	11	264	818.34	33.49	BIOL: 2.50 ETHST: 2.83																														
						% to Hourly Utilization Standard				106%	ANTHR: 5.00						BUS: 3.67		HIST: 2.83		MATH: 16.66																				
						% to WSCH Capacity				65%																	441.71		WSCH GAP												



TITLE V STANDARDS
Instructional space utilization is based on a maximum 70-hours per week (M-F 8:00am - 10:00pm)
Classroom utilization standard for a College generating less than 140,000 WSCH should be at least 31.68 hours per week out of an available 48 hours a week
Lab utilization standard for a College generating less than 140,000 WSCH should be at least 23.375 hours per week out of an available 27.5 hours a week
Utilization Analysis does not include courses held exclusively online.

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION

										Min. Lab Utilization Standard (23.375 Hrs/Wk)																Min. Classroom Utilization Standard (31.68 Hrs/Wk)																		
										HOURS PER WEEK		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48									
										% TO STANDARD (CLASSROOM)		8%	16%	22%	28%	34%	40%	46%	52%	58%	64%	70%	76%	82%	88%	94%	100%	108%	116%	122%	128%	134%	140%	146%	152%									
										% TO STANDARD (LAB)		1%	10%	19%	28%	37%	46%	55%	64%	73%	82%	91%	100%	110%	119%	128%	137%	146%	155%	164%	173%	182%	191%	200%	210%									
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk																																		
33	Classroom	General Assignment	561	35	1,186.05																																							
						ART 182	1	36	90.00	2.50																																		
						Each section of course duplicated four times in data.					COUN 24	3	90	112.50	3.75																													
						ENGL 5	2	68	170.00	5.00																																		
						Each section of course duplicated in data.					ENGL 85A	1	29	111.17	3.83																													
						ENGL 99	1	15	42.50	2.83																																		
						TOTAL	8	238	526.17	17.92																																		
						% to Hourly Utilization Standard					57%	ART: 2.50 COUN: 3.75 ENGL: 11.67																13.76		CLOCK HRS/WK GAP														
						% to WSCH Capacity					44%																					659.88		WSCH GAP										
34	Classroom	General Assignment	596	35	1,260.04																																							
						BIOL 34	1	22	55.00	2.50																																		
						BUS 10	1	20	56.67	2.83																																		
						Each section of course duplicated in data.					BUS 1A	1	38	145.67	3.83																													
						BUS 5	1	17	48.17	2.83																																		
						CHEM 1B	1	27	153.00	5.67																																		
						HUMAN 40	1	27	67.50	2.50																																		
						Each section of course duplicated in data.					MATH 1	1	34	124.67	3.67																													
						MATH 13	1	25	91.67	3.67																																		
						MATH 203	1	33	148.50	4.50																																		
						TOTAL	9	243	890.83	32.00																																		
						% to Hourly Utilization Standard					101%	BIOL: 2.50 BUS: 9.50 CHEM: 5.67 HUMAN: 2.50																MATH: 11.83																
						% to WSCH Capacity					71%																					369.21		WSCH GAP										
51	Classroom	General Assignment	699	45	1,477.80																																							
						COMM 4	1	27	67.50	2.50																																		
						ECON 1	1	41	116.17	2.83																																		
						HUSV 118	1	23	57.50	2.50																																		
						MATH 1	2	64	234.67	7.33																																		
						MATH 3C	1	30	135.00	4.50																																		
						TOTAL	6	185	610.84	19.66																																		
						% to Hourly Utilization Standard					62%	ECON: 2.83 COMM: 2.50 HUSV: 2.50																MATH: 11.83		12.02														
						% to WSCH Capacity					41%																					866.96		WSCH GAP										
52	Classroom	General Assignment	626	45	1,323.47																																							
						BUS 10	1	29	82.17	2.83																																		
						BUS 70	1	34	85.00	2.50																																		
						CHEM 30A	1	28	70.00	2.50																																		
						ECON 1	1	32	90.67	2.83																																		
						HIST 7B	1	37	92.50	2.50																																		
						HUMAN 21	1	37	104.83	2.83																																		
						MATH 3A	1	24	108.00	4.50																																		
						MM/VI 5	1	31	87.83	2.83																																		
						PSYCH 1A	1	33	93.50	2.83																																		
						SOC 1	1	31	77.50	2.50																																		
						SOC 7	1	19	47.50	2.50																																		
						TOTAL	11	335	939.50	31.17																																		
						% to Hourly Utilization Standard					98%	ECON: 2.83 CHEM: 2.50 HUMAN: 2.83 MM/VI: 2.83																PSYCH: 2.83																
						% to WSCH Capacity					71%																					0.51		CLOCK HRS/WK GAP										
																																383.97		WSCH GAP										

Utilization Analysis does not include courses held exclusively online.

Activity	Value
ARAB	4.50
FREN	4.50
SPAN	18.00
CLOCK HRS/WK GAP	4.68
WSCH GAP	1,465.87

Instructional space utilization is based on a maximum 70-hours per week (M-F 8:00am - 10:00pm)
Classroom utilization standard for a College generating less than 140,000 WSCH should be at least 31.68 hours per week out of an available 48 hours a week
Lab utilization standard for a College generating less than 140,000 WSCH should be at least 23.375 hours per week out of an available 27.5 hours a week
Utilization Analysis does not include courses held exclusively online.

	Min. Lab Utilization Standard (23.375 Hrs/Wk)												Min. Classroom Utilization Standard (31.68 Hrs/Wk)											
HOURS PER WEEK	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
% TO STANDARD (CLASSROOM)	8%	16%	22%	28%	34%	40%	46%	52%	58%	64%	70%	76%	82%	88%	94%	100%	108%	116%	122%	128%	134%	140%	146%	152%
% TO STANDARD (LAB)	1%	10%	19%	28%	37%	46%	55%	64%	73%	82%	91%	100%	110%	119%	128%	137%	146%	155%	164%	173%	182%	191%	200%	210%

Metric	Value
MM/AN	3.50
MM/DI	19.84
MMART	3.50

Activity	Value
COMM	2.83
HIST	2.83
MATH	17.17
SPAN	7.33
WSCH GAP	552.81
CLOCK HRS/WK GAP	1.51

Subject	Clock Hrs/Wk
COMM	2.83
FREN	9.00
MATH	5.33
PHIL	2.50
POSCI	2.83
SPAN	9.00
Total	722.34
Gap	0.18

TITLE V STANDARDS

Instructional space utilization is based on a maximum 70-hours per week (M-F 8:00am - 10:00pm)

Classroom utilization standard for a College generating less than 140,000 WSCH should be at least 31.68 hours per week out of an available 48 hours a week

Lab utilization standard for a College generating less than 140,000 WSCH should be at least 23.375 hours per week out of an available 27.5 hours a week

Utilization Analysis does not include courses held exclusively online.

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION											Min. Lab Utilization Standard (23.375 Hrs/Wk)												Min. Classroom Utilization Standard (31.68 Hrs/Wk)											
											% TO STANDARD (CLASSROOM)																							
											% TO STANDARD (LAB)																							
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
311	Classroom	General Assignment	819	45	1,731.50	CHDEV 51	1	41	116.17	2.83	8%	16%	22%	28%	34%	40%	46%	52%	58%	64%	70%	76%	82%	88%	94%	100%	108%	116%	122%	128%	134%	140%	146%	152%
											EDUC: 0.83																							
											CHDEV: 2.83																							
											% to Hourly Utilization Standard												4.02 CLOCK HRS/WK GAP											
											% to WSCH Capacity												909.00 WSCH GAP											
312	Class Lab	Computer Information Systems	1,611	40	942.11	CIS 1	2	40	150.17	7.83	126%																							
											ESOL: 2.67																							
											CIS: 26.75												223.95 WSCH GAP											
											% to Hourly Utilization Standard																							
											% to WSCH Capacity																							
313	Class Lab	Digital Media	1,979	40	924.77	ENGL 1A	7	216	329.67	10.67	174%																							
											ESOL: 2.50																							
											ENGL: 38.09												ESOL: 2.50											
											% to Hourly Utilization Standard																							
											% to WSCH Capacity																							
315	Classroom	General Assignment	825	45	1,744.19	ENGL 1A	8	226	838.33	29.67	106%																							
											ENGL: 33.50												783.19 WSCH GAP											
											% to Hourly Utilization Standard																							
											% to WSCH Capacity																							



TITLE V STANDARDS
Instructional space utilization is based on a maximum 70-hours per week (M-F 8:00am - 10:00pm)
Classroom utilization standard for a College generating less than 140,000 WSCH should be at least 31.68 hours per week out of an available 48 hours a week
Lab utilization standard for a College generating less than 140,000 WSCH should be at least 23.375 hours per week out of an available 27.5 hours a week
Utilization Analysis does not include courses held exclusively online.

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION											Min. Lab Utilization Standard (23.375 Hrs/Wk)												Min. Classroom Utilization Standard (31.68 Hrs/Wk)																	
											HOURS PER WEEK																													
											% TO STANDARD (CLASSROOM)																													
											% TO STANDARD (LAB)																													
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk																														
316	Classroom	General Assignment	768	46	1,623.68	ENGL 1A	10	285	1,052.33	37.00																														
						ENGL 5	1	18	51.00	2.83																														
						ENGL 71A	1	17	48.17	2.83																														
						ENGL 72A	1	5	14.17																															
						ENGL 73A	1	4	11.33																															
						ENGL 91A	1	15	42.50																															
						ENGL 92A	1	5	14.17	2.83																														
						ENGL 93A	1	4	11.33																															
						ENGL 94	1	2	5.67																															
						TOTAL	18	355	1,250.66	45.49																														
						% to Hourly Utilization Standard										144%	ENGL: 45.49																							
						% to WSCH Capacity										77%													373.02 WSCH GAP											
321	Class Lab	Other Fine and Applied Arts	1,065	30	414.40	MATH 13	7	258	946.00	25.67																														
						MATH 213	5	194	323.33	8.33																														
						MATH 3A	1	21	78.75	3.75																														
						MATH 3E	1	46	115.00	2.50																														
						TOTAL	14	519	1,463.08	40.25																														
						% to Hourly Utilization Standard										172%	MATH: 40.25																							
						% to WSCH Capacity										353%																								
322	Classroom	General Assignment	821	45	1,735.73	BUS 24	1	9	7.50	0.83																														
						MATH 1	3	116	425.33	11.00																														
						MATH 13	1	41	150.33	3.67																														
						MATH 203	1	25	62.50	2.50																														
						MATH 213	1	41	68.33	1.67																														
						MATH 215	3	116	193.33	5.00																														
						MATH 50	1	19	47.50	2.50																														
						PSYCH 21	1	40	113.33	2.83																														
						WS 1	1	13	36.83	2.83																														
						TOTAL	13	420	1,104.99	32.84																														
						% to Hourly Utilization Standard										104%	MATH: 26.34												PSYCH: 2.83											
						% to WSCH Capacity										64%													630.74 WSCH GAP											
						323	Class Lab	Digital Media	1,609	42	751.87	ART 46	1	26	138.67	5.33																								
BUS 24	1	9	7.50	0.83																																				
CIS 20	1	33	187.00	5.67																																				
CIS 27	1	38	247.00	6.50																																				
CIS 36A	1	29	164.33	5.67																																				
CIS 42A	1	15	42.50	2.83																																				
CIS 42B	1	11	31.17																																					
CIS 6	1	44	271.33		6.17																																			
CIS 83B	1	1	0.83	0.83																																				
TOTAL	9	206	1,090.33	33.83																																				
% to Hourly Utilization Standard												145%	ART: 5.33												CIS: 27.67															
% to WSCH Capacity												145%																												

Instructional space utilization is based on a maximum 70-hours per week (M-F 8:00am - 10:00pm)
Classroom utilization standard for a College generating less than 140,000 WSCH should be at least 31.68 hours per week out of an available 48 hours a week
Lab utilization standard for a College generating less than 140,000 WSCH should be at least 23.375 hours per week out of an available 27.5 hours a week
Utilization Analysis does not include courses held exclusively online.

HOURS PER WEEK	Min. Lab Utilization Standard (23.375 Hrs/Wk)												Min. Classroom Utilization Standard (31.68 Hrs/Wk)											
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
% TO STANDARD (CLASSROOM)	8%	16%	22%	28%	34%	40%	46%	52%	58%	64%	70%	76%	82%	88%	94%	100%	108%	116%	122%	128%	134%	140%	146%	152%
% TO STANDARD (LAB)	1%	10%	19%	28%	37%	46%	55%	64%	73%	82%	91%	100%	110%	119%	128%	137%	146%	155%	164%	173%	182%	191%	200%	210%

% to Hourly Utilization Standard	120%	ANTHR: 11.50	ASL: 2.83	BUS: 3.83					PSYCH: 5.33
% to WSCH Capacity	53%				996.08 WSCH GAP				

	ASL: 2.83	POSCI: 5.66	SOC: 2.83	2.62	CLOCK HRS/WK GAP
% to Hourly Utilization Standard	92%				
% to WSCB Capacity	40%				

% to Hourly Utilization Standard	112%	BIOL: 2.83	CHEM: 5.67					POSCI: 5.33	SOC: 10.67
% to WSCB Capacity	50%	1,042.36 WSCB GAP							



TITLE V STANDARDS
Instructional space utilization is based on a maximum 70-hours per week (M-F 8:00am - 10:00pm)
Classroom utilization standard for a College generating less than 140,000 WSCH should be at least 31.68 hours per week out of an available 48 hours a week
Lab utilization standard for a College generating less than 140,000 WSCH should be at least 23.375 hours per week out of an available 27.5 hours a week
Utilization Analysis does not include courses held exclusively online.

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: ROOM UTILIZATION											Min. Lab Utilization Standard (23.375 Hrs/Wk)														Min. Classroom Utilization Standard (31.68 Hrs/Wk)																		
											HOURS PER WEEK																																
											% TO STANDARD (CLASSROOM)																																
											% TO STANDARD (LAB)																																
Room	Room Use	TOP Code	ASF	Stns.	WSCH Cap.	Course	Sections	Enroll.	WSCH	Clock Hrs/Wk																																	
431	Classroom	General Assignment	2,428	97	5,133.19	ASTR 10	1	39	110.50	2.83																																	
						BIOL 10	1	61	152.50	2.50																																	
						BIOL 3	1	50	183.33	3.67																																	
						CHEM 1A	1	51	289.00	5.67																																	
						HUMAN 1	1	30	75.00	2.50																																	
						HUMAN 21	1	35	99.17	2.83																																	
						PHYS 4A	1	59	216.33	3.67																																	
						PHYSIC 20	1	38	69.67	1.83																																	
						TOTAL	8	363	1,195.50	25.50																																	
																ASTR: 2.83														PHYSIC: 1.83													
										% to Hourly Utilization Standard														80%																			
										% to WSCH Capacity														23%																			
										BIOL: 6.17														CHEM: 5.67																			
										HUMAN: 5.33														PHYS: 3.67																			
										6.18														CLOCK HRS/WK GAP																			
										3,937.69														WSCH GAP																			
513	Class Lab	Biology, General	1,091	25	464.26	BIOL 10	8	224	775.83	28.17																																	
						BIOL 1B	1	32	181.33	5.67																																	
						CHEM 12A	1	24	60.00	2.50																																	
						TOTAL	10	280	1,017.16	36.34																																	
																% to Hourly Utilization Standard														155%													
																% to WSCH Capacity														219%													
514	Class Lab	Physical Sciences, General	1,261	30	490.66	CHEM 12A	1	24	136.00	5.67																																	
						CHEM 12B	1	23	130.33	5.67																																	
						CHEM 30B	1	22	55.00	2.50																																	
						TOTAL	3	69	321.33	13.84																																	
																% to Hourly Utilization Standard														59%													
																% to WSCH Capacity														65%													
518	Class Lab	Chemistry, General	752	37	292.61	CHEM 1A	1	24	136.00	5.67																																	
						CHEM 12B	1	23	57.50	2.50																																	
						GEOL 10	1	31	77.50	2.50																																	
						GEOL 10L	1	21	52.50	2.50																																	
						PHYS 3A	2	64	416.00	13.00																																	
						PHYS 4A	2	59	167.17	5.67																																	
						PHYS 4C	1	22	143.00	6.50																																	
						TOTAL	9	244	1,049.67	38.34																																	
																% to Hourly Utilization Standard														164%													
																% to WSCH Capacity														359%													
521	Class Lab	Chemistry, General	1,105	20	429.96	CHEM 1A	4	95	269.17	11.33																																	
						CHEM 1B	1	27	76.50	2.83																																	
						CHEM 30A	4	104	285.33	11.00																																	
						TOTAL	9	226	631.00	25.16																																	
																% to Hourly Utilization Standard														108%													
										% to WSCH Capacity														147%																			
522	Class Lab	Biotechnology and Biomedical Technology	1,115	20	474.47	BIOL 1A	2	55	311.67	11.33																																	
						BIOL 3	2	50	133.33	5.33																																	
						BIOL 34L	2	30	82.50	5.50																																	
						BIOL 50A	2	28	86.33	6.17																																	
						TOTAL	8	163	613.83	28.33																																	
																% to Hourly Utilization Standard														121%													
										% to WSCH Capacity														129%																			



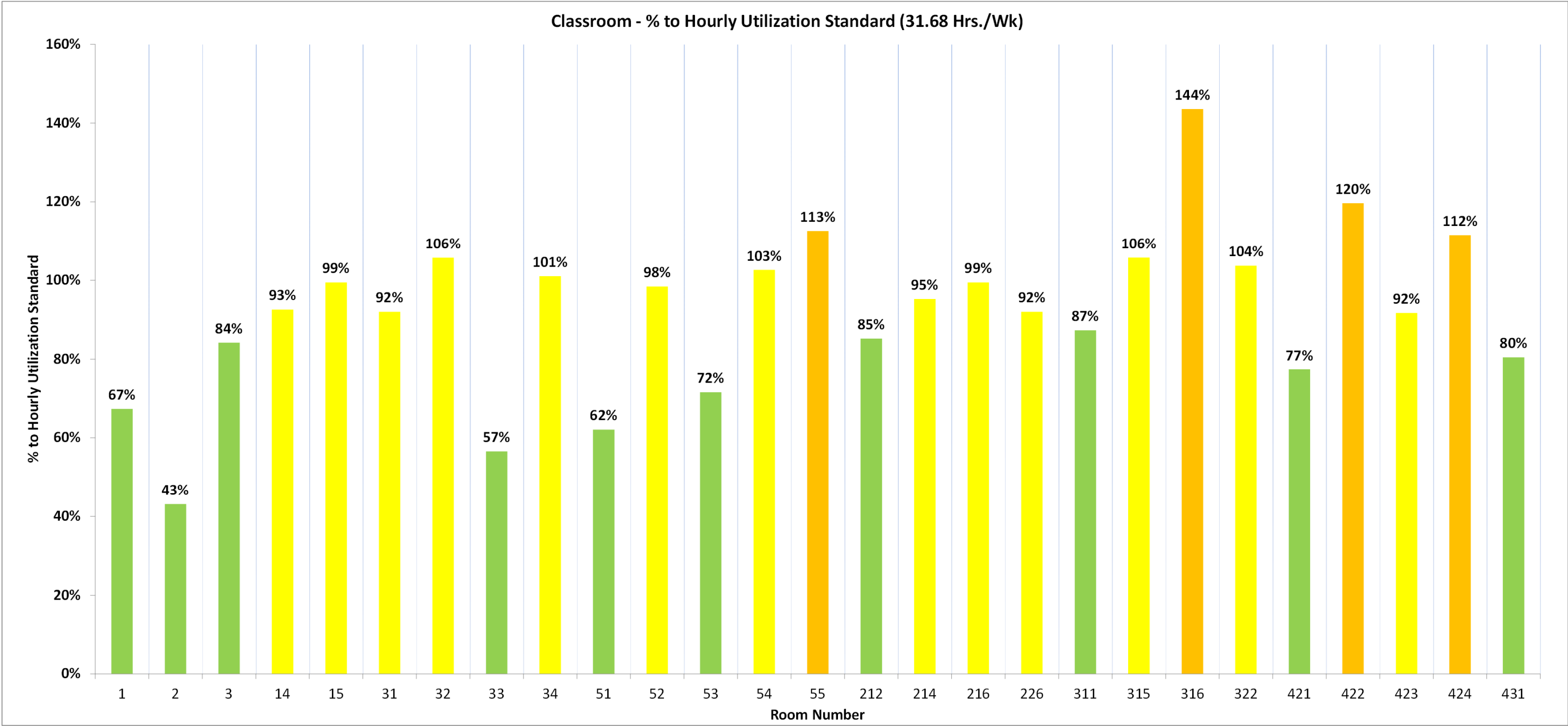
Berkeley City College

Space Utilization Study: Hourly Utilization Tables



BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: HOURLY UTILIZATION TABLES

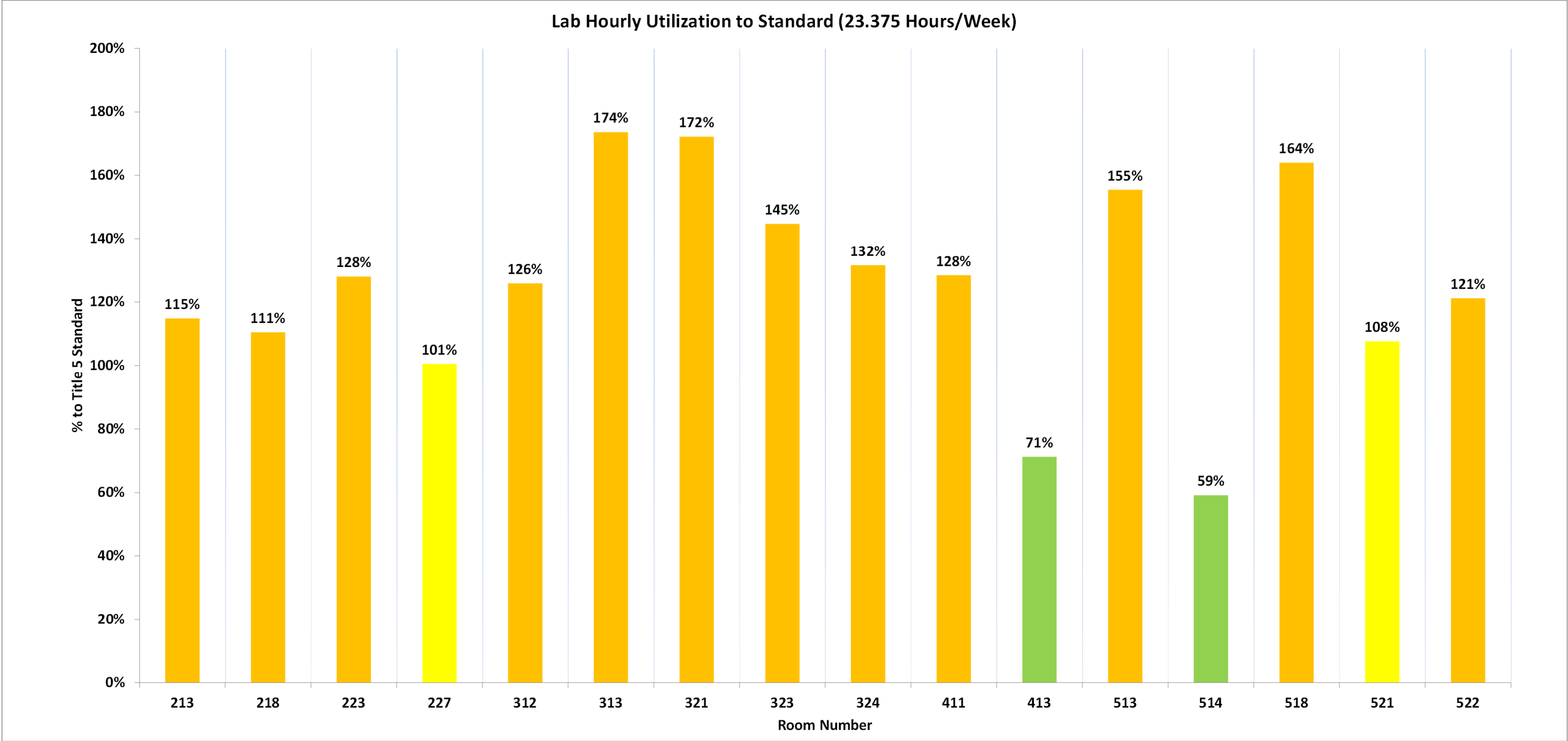
% to Hourly Utilization Standard	
Over Utilization = 111% or Higher	
High Utilization = 90% - 110%	
Low Utilization = Below 90%	





BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: HOURLY UTILIZATION TABLES

% to Hourly Utilization Standard	
Over Utilization = 111% or Higher	
High Utilization = 90% - 110%	
Low Utilization = Below 90%	



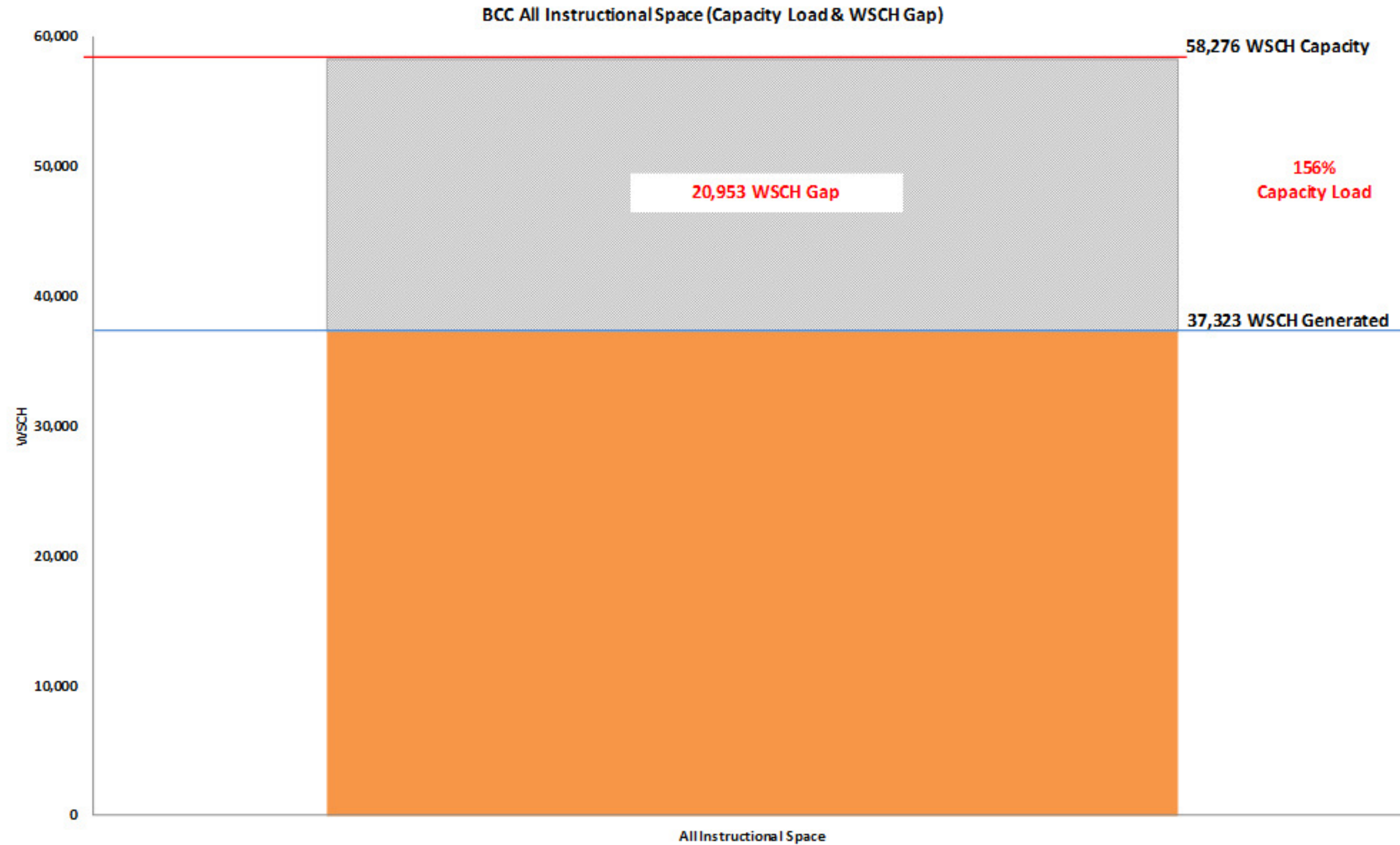


Berkeley City College

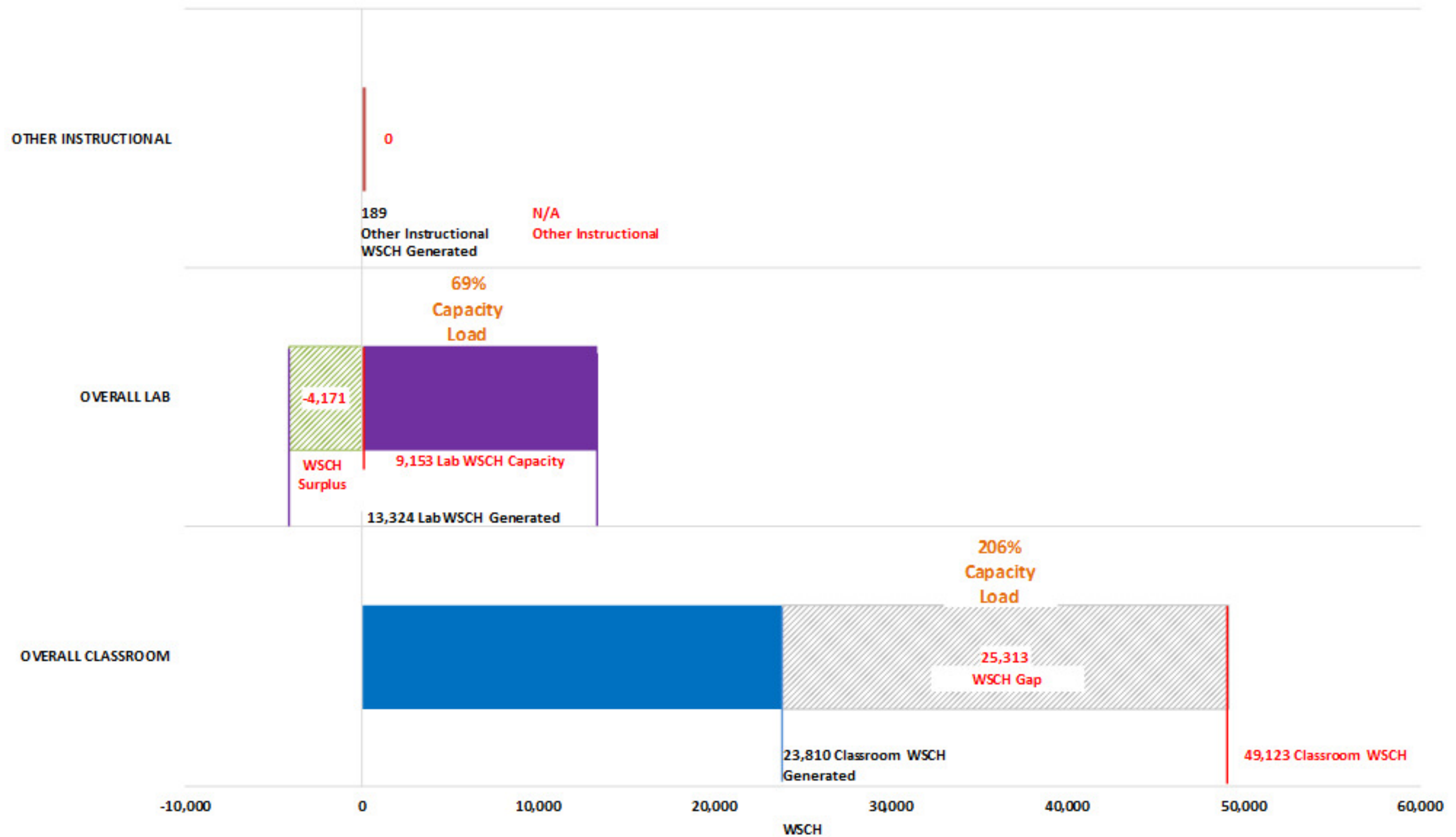
Space Utilization Study: Capacity Load & WSCH Gap

BERKELEY CITY COLLEGE FALL 2019 SPACE UTILIZATION: ROOM CAPACITY LOAD & WSCH GAP

Room #	Room Use	TOP Code	ASF	WSCH Capacity	WSCH Generated	Capacity Load	WSCH Gap or (Surplus)	ASF Need or (Surplus)
1	Classroom	General Assignment	968	2,046.51	760.83	269%	1,286	-608
2	Classroom	General Assignment	896	1,894.29	442.00	429%	1,452	-687
3	Classroom	General Assignment	1,664	3,517.97	930.83	378%	2,587	-1,224
14	Classroom	General Assignment	559	1,181.82	886.17	133%	296	-140
15	Classroom	General Assignment	537	1,135.31	896.66	127%	239	-113
21	Assembly	Community Recreation	3,288	N/A	189.00	N/A	N/A	N/A
31	Classroom	General Assignment	592	1,251.59	925.34	135%	326	-154
32	Classroom	General Assignment	596	1,260.04	818.34	154%	442	-209
33	Classroom	General Assignment	561	1,186.05	526.17	225%	660	-312
34	Classroom	General Assignment	596	1,260.04	890.83	141%	369	-175
51	Classroom	General Assignment	699	1,477.80	610.84	242%	867	-410
52	Classroom	General Assignment	626	1,323.47	939.50	141%	384	-182
53	Classroom	General Assignment	500	1,057.08	725.33	146%	332	-157
54	Classroom	General Assignment	629	1,329.81	976.67	136%	353	-167
55	Classroom	General Assignment	758	1,602.54	1,090.67	147%	512	-242
212	Classroom	General Assignment	1,085	2,293.87	828.00	277%	1,466	-693
213	Class Lab	Digital Media	1,612	753.27	800.00	94%	-47	100
214	Classroom	General Assignment	759	1,604.65	1,051.84	153%	553	-261
216	Classroom	General Assignment	676	1,429.18	706.83	202%	722	-342
218	Class Lab	Digital Media	1,002	468.22	801.58	58%	-333	713
223	Class Lab	Sign Language	935	291.28	766.25	38%	-475	1,525
226	Classroom	General Assignment	941	1,989.43	723.50	275%	1,266	-599
227	Class Lab	Digital Media	1,609	751.87	623.83	121%	128	-274
311	Classroom	General Assignment	819	1,731.50	822.50	211%	909	-430
312	Class Lab	Computer Information Systems	1,611	942.11	718.16	131%	224	-383
313	Class Lab	Digital Media	1,979	924.77	1,236.42	75%	-312	667
315	Classroom	General Assignment	825	1,744.19	961.00	181%	783	-370
316	Classroom	General Assignment	768	1,623.68	1,250.66	130%	373	-176
321	Class Lab	Other Fine and Applied Arts	1,065	414.40	1,463.08	28%	-1,049	2,695
322	Classroom	General Assignment	821	1,735.73	1,104.99	157%	631	-298
323	Class Lab	Digital Media	1,609	751.87	1,090.33	69%	-338	724
324	Class Lab	Digital Media	1,549	723.83	965.18	75%	-241	516
411	Class Lab	Art (Painting, Drawing and Sculpture)	1,352	526.07	823.49	64%	-297	764
413	Class Lab	Art (Painting, Drawing and Sculpture)	1,165	453.31	403.00	112%	50	-129
421	Classroom	General Assignment	976	2,063.42	765.67	269%	1,298	-614
422	Classroom	General Assignment	992	2,097.25	1,101.17	190%	996	-471
423	Classroom	General Assignment	974	2,059.20	827.08	249%	1,232	-583
424	Classroom	General Assignment	990	2,093.02	1,050.67	199%	1,042	-493
431	Classroom	General Assignment	2,428	5,133.19	1,195.50	429%	3,938	-1,863
513	Class Lab	Biology, General	1,091	464.26	1,017.16	46%	-553	1,299
514	Class Lab	Physical Sciences, General	1,261	490.66	321.33	153%	169	-435
518	Class Lab	Chemistry, General	752	292.61	1,049.67	28%	-757	1,946
521	Class Lab	Chemistry, General	1,105	429.96	631.00	68%	-201	517
522	Class Lab	Biotechnology and Biomedical Technology	1,115	474.47	613.83	77%	-139	328
TOTAL CAMPUS (FALL 2019)			47,335	58,275.55	37,322.89	156%	20,953	N/A

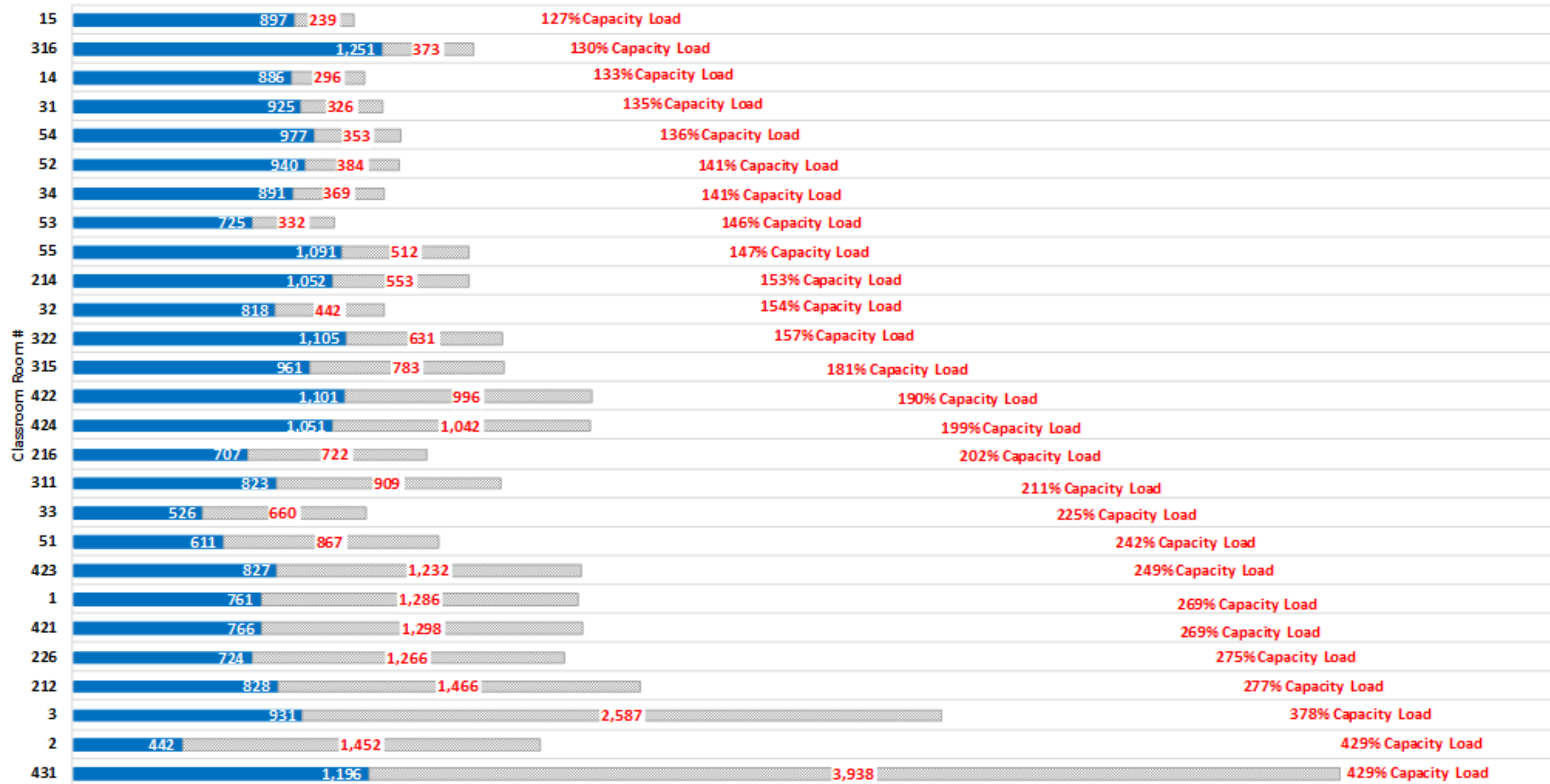


Classroom, Lab & Other Instructional (Capacity Load & WSCH Gap)



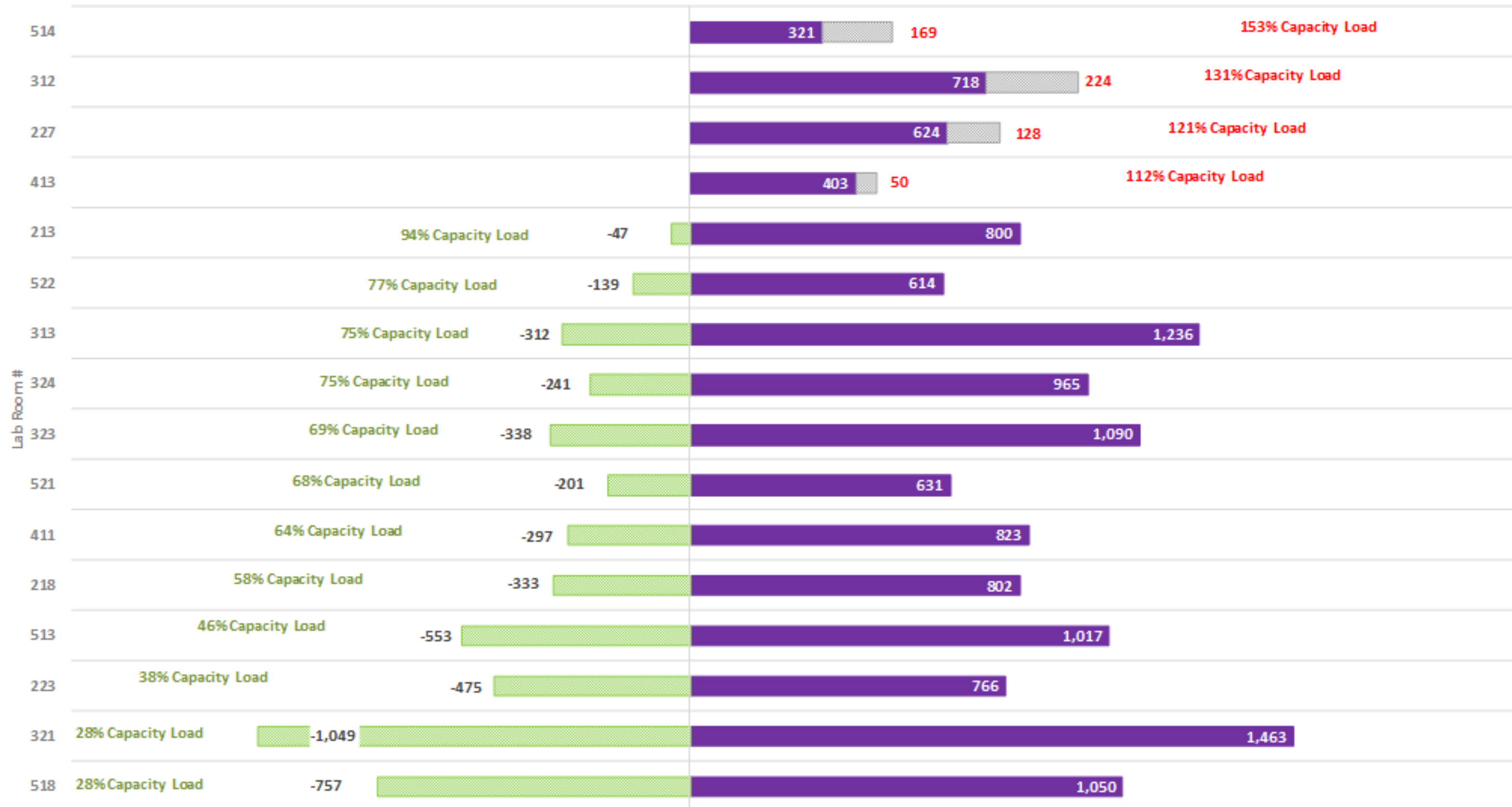
Classroom (Capacity Load & WSCH Gap)

■ WSCH Generated ■ WSCH Gap or (Surplus)

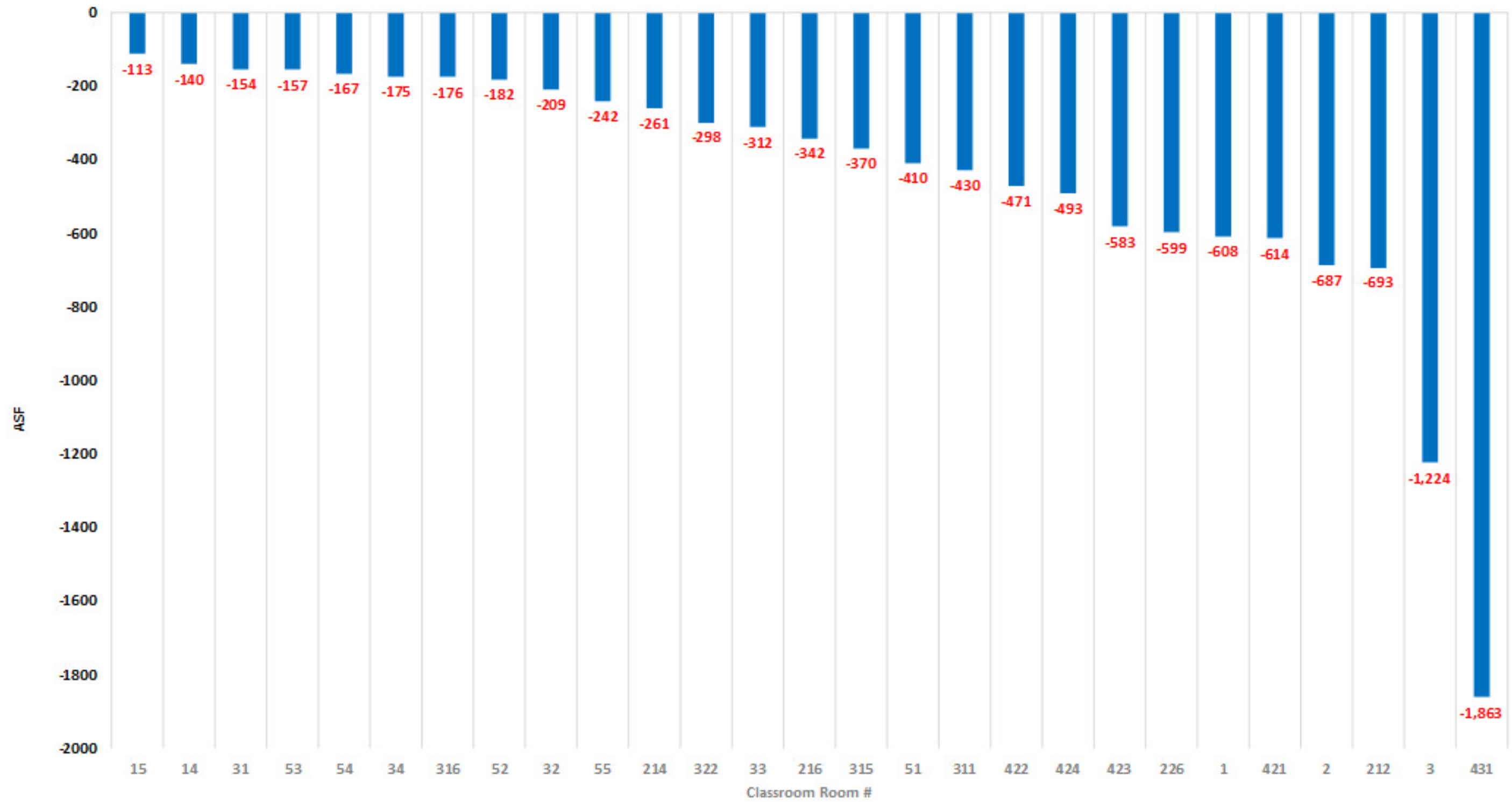


Lab (Capacity Load & WSCH Gap)

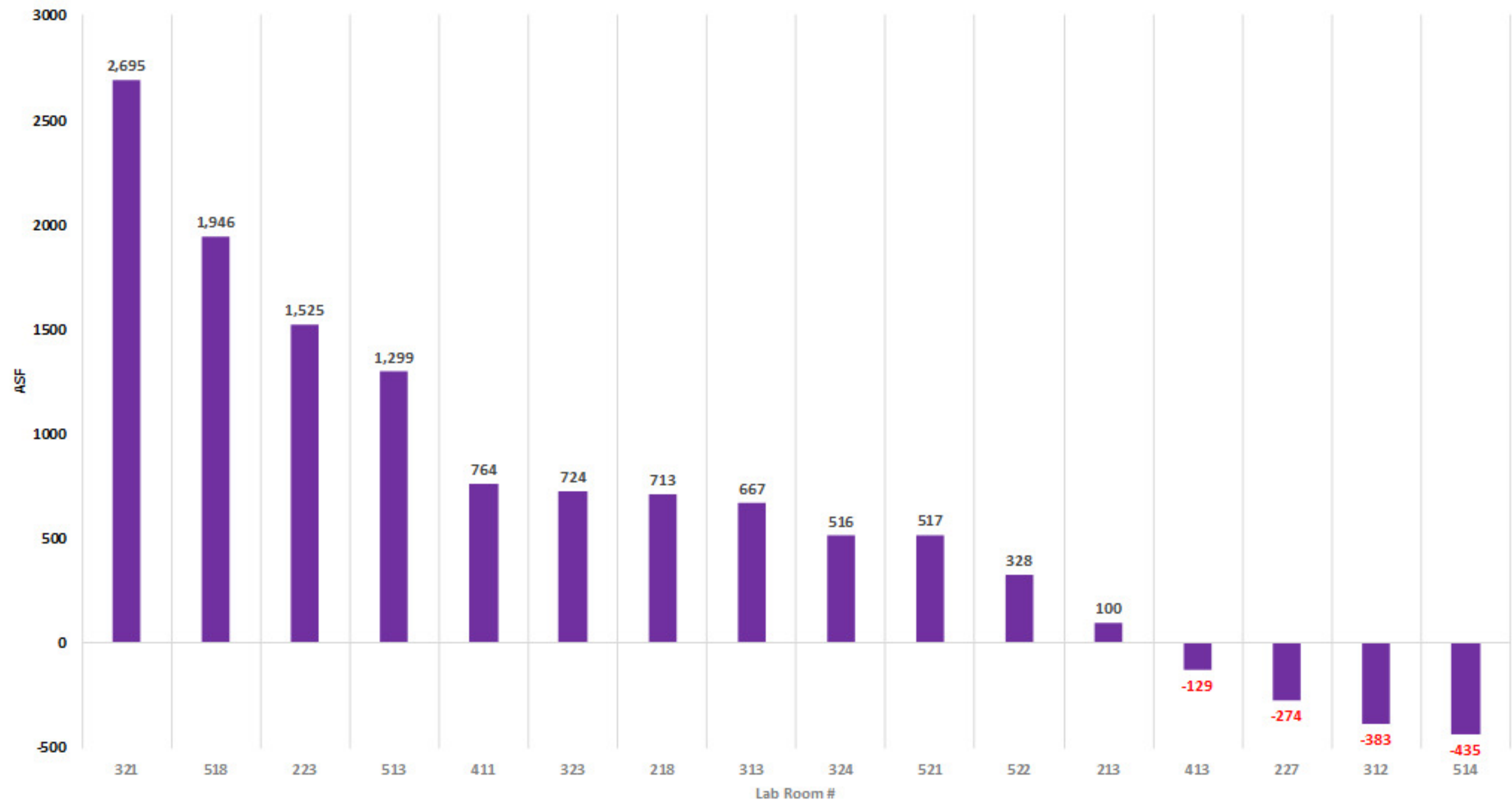
■ WSCH Generated ■ WSCH Gap or (Surplus)



Classroom-ASF Need



Lab - ASF Surplus & Need





Berkeley City College

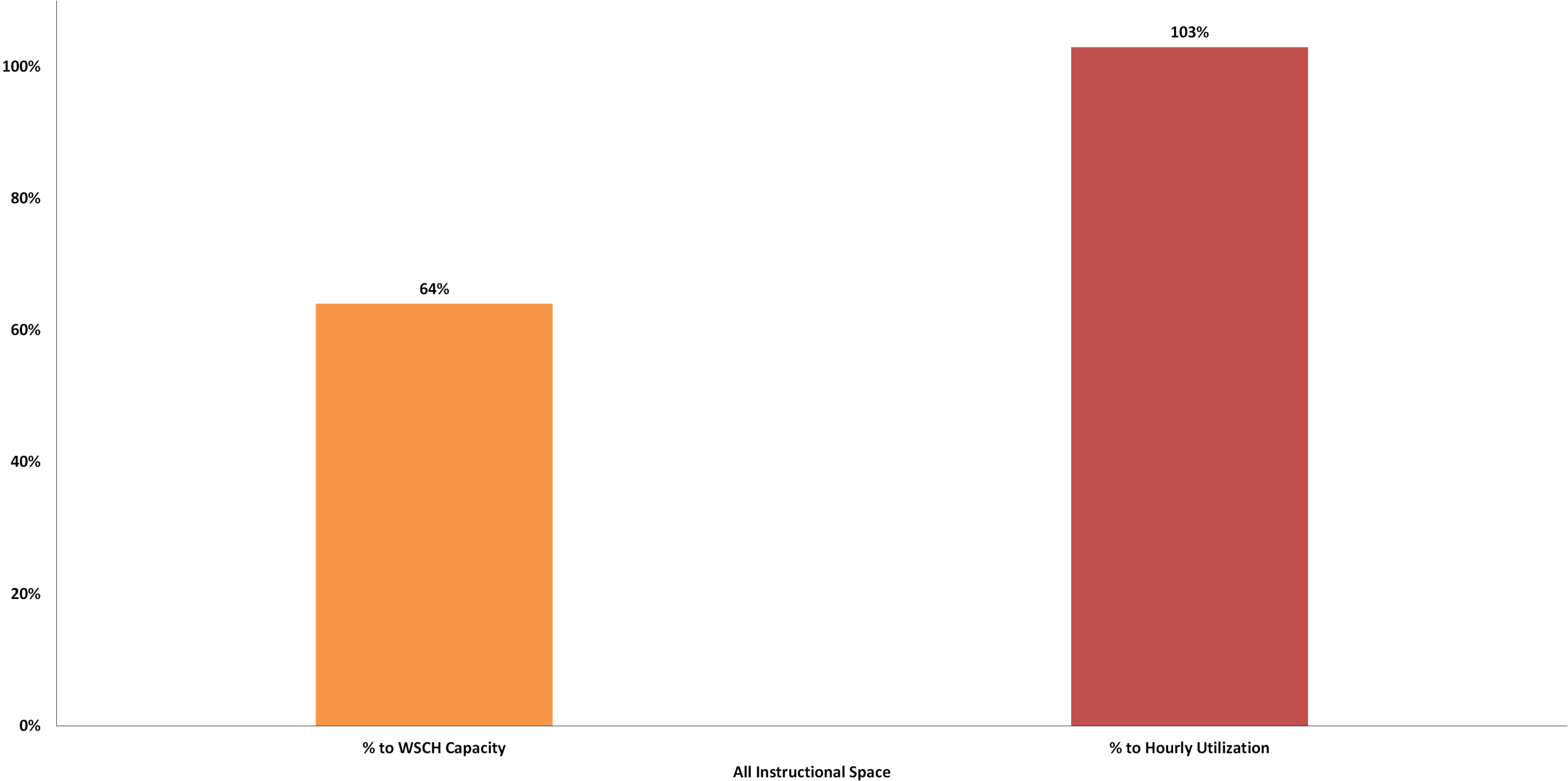
Space Utilization Study: WSCH Capacity vs. Hourly Utilization

BERKELEY CITY COLLEGE - FALL 2019 SPACE UTILIZATION: WSCH CAPACITY vs. HOURLY UTILIZATION

Room	Room Use	WSCH Capacity	WSCH Generation	% to WSCH Capacity	Utilization Hours	Utilization Standard (Title 5)	% to Hourly Standard
1	Classroom	2,046.5	760.83	37%	21.33	31.68	67%
2	Classroom	1,894.3	442.00	23%	13.67	31.68	43%
3	Classroom	3,518.0	930.83	26%	26.67	31.68	84%
14	Classroom	1,181.8	886.17	75%	29.33	31.68	93%
15	Classroom	1,135.3	896.66	79%	31.5	31.68	99%
21	Assembly	N/A	189.00	N/A	4.5	N/A	N/A
31	Classroom	1,251.6	925.34	74%	29.15	31.68	92%
32	Classroom	1,260.0	818.34	65%	33.49	31.68	106%
33	Classroom	1,186.0	526.17	44%	17.92	31.68	57%
34	Classroom	1,260.0	890.83	71%	32	31.68	101%
51	Classroom	1,477.8	610.84	41%	19.66	31.68	62%
52	Classroom	1,323.5	939.50	71%	31.17	31.68	98%
53	Classroom	1,057.1	725.33	69%	22.66	31.68	72%
54	Classroom	1,329.8	976.67	73%	32.5	31.68	103%
55	Classroom	1,602.5	1090.67	68%	35.67	31.68	113%
212	Classroom	2,293.9	828.00	36%	27	31.68	85%
213	Class Lab	753.3	800.00	106%	26.84	23.375	115%
214	Classroom	1,604.7	1051.84	66%	30.17	31.68	95%
216	Classroom	1,429.2	706.83	49%	31.5	31.68	99%
218	Class Lab	468.2	801.58	171%	25.83	23.375	111%
223	Class Lab	291.3	766.25	263%	29.92	23.375	128%
226	Classroom	1,989.4	723.50	36%	29.15	31.68	92%
227	Class Lab	751.9	623.83	83%	23.5	23.375	101%
311	Classroom	1,731.5	822.50	48%	27.66	31.68	87%
312	Class Lab	942.1	718.16	76%	29.42	23.375	126%
313	Class Lab	924.8	1236.42	134%	40.59	23.375	174%
315	Classroom	1,744.2	961.00	55%	33.5	31.68	106%
316	Classroom	1,623.7	1250.66	77%	45.49	31.68	144%
321	Class Lab	414.4	1463.08	353%	40.25	23.375	172%
322	Classroom	1,735.7	1104.99	64%	32.84	31.68	104%
323	Class Lab	751.9	1090.33	145%	33.83	23.375	145%
324	Class Lab	723.8	965.18	133%	30.75	23.375	132%
411	Class Lab	526.1	823.49	157%	30.01	23.375	128%
413	Class Lab	453.3	403.00	89%	16.66	23.375	71%
421	Classroom	2,063.4	765.67	37%	24.5	31.68	77%
422	Classroom	2,097.3	1101.17	53%	37.9	31.68	120%
423	Classroom	2,059.2	827.08	40%	29.06	31.68	92%
424	Classroom	2,093.0	1050.67	50%	35.33	31.68	112%
431	Classroom	5,133.2	1195.50	23%	25.5	31.68	80%
513	Class Lab	464.3	1017.16	219%	36.34	23.375	155%
514	Class Lab	490.7	321.33	65%	13.84	23.375	59%
518	Class Lab	292.6	1049.67	359%	38.34	23.375	164%
521	Class Lab	430.0	631.00	147%	25.16	23.375	108%
522	Class Lab	474.5	613.83	129%	28.33	23.375	121%
TOTAL CAMPUS (FALL 2019)		58,275.56	37,322.89	64%	1,260.43	1,229.36	103%

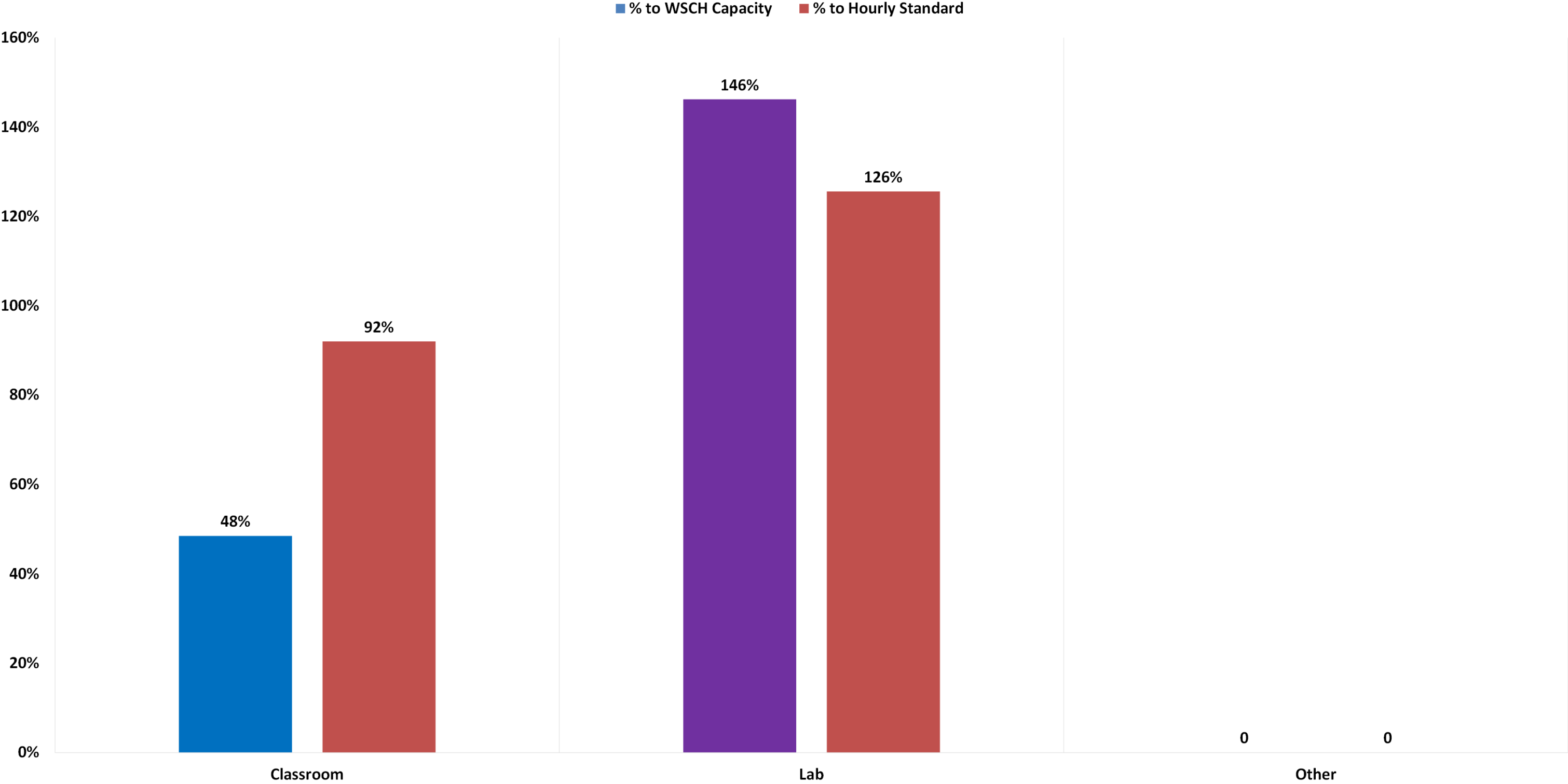


BCC All Instruction Space
(% to WSCH Capacity vs. % to Hourly Utilization)



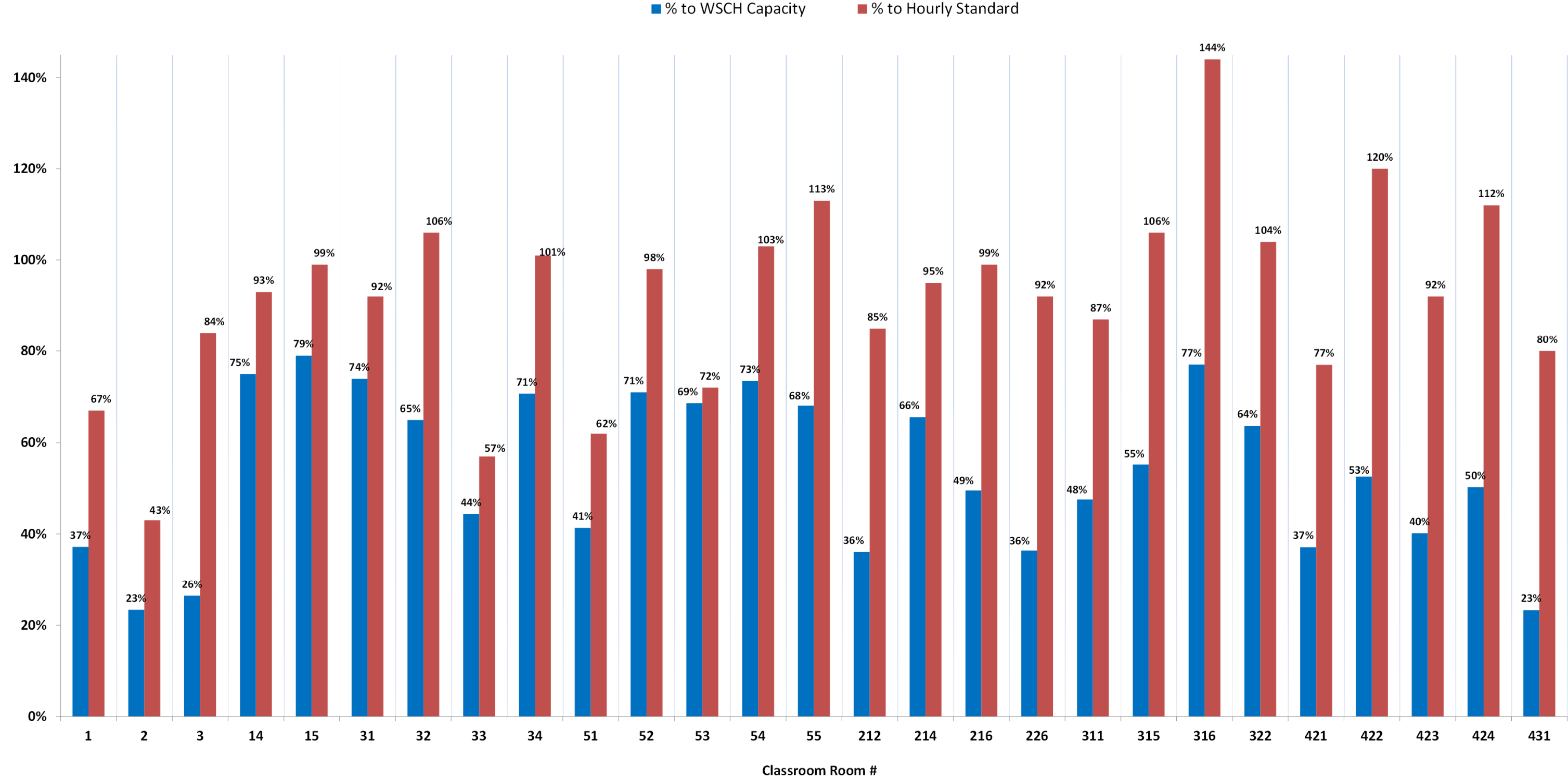


Classroom vs. Lab (% to WSCH Capacity vs. % to Hourly Ultization)





Classroom - % to WSCH Capacity vs. % to Hourly Standard





Lab - % to WSCH Capacity vs. % to Hourly Utilization Standard





Berkeley City College

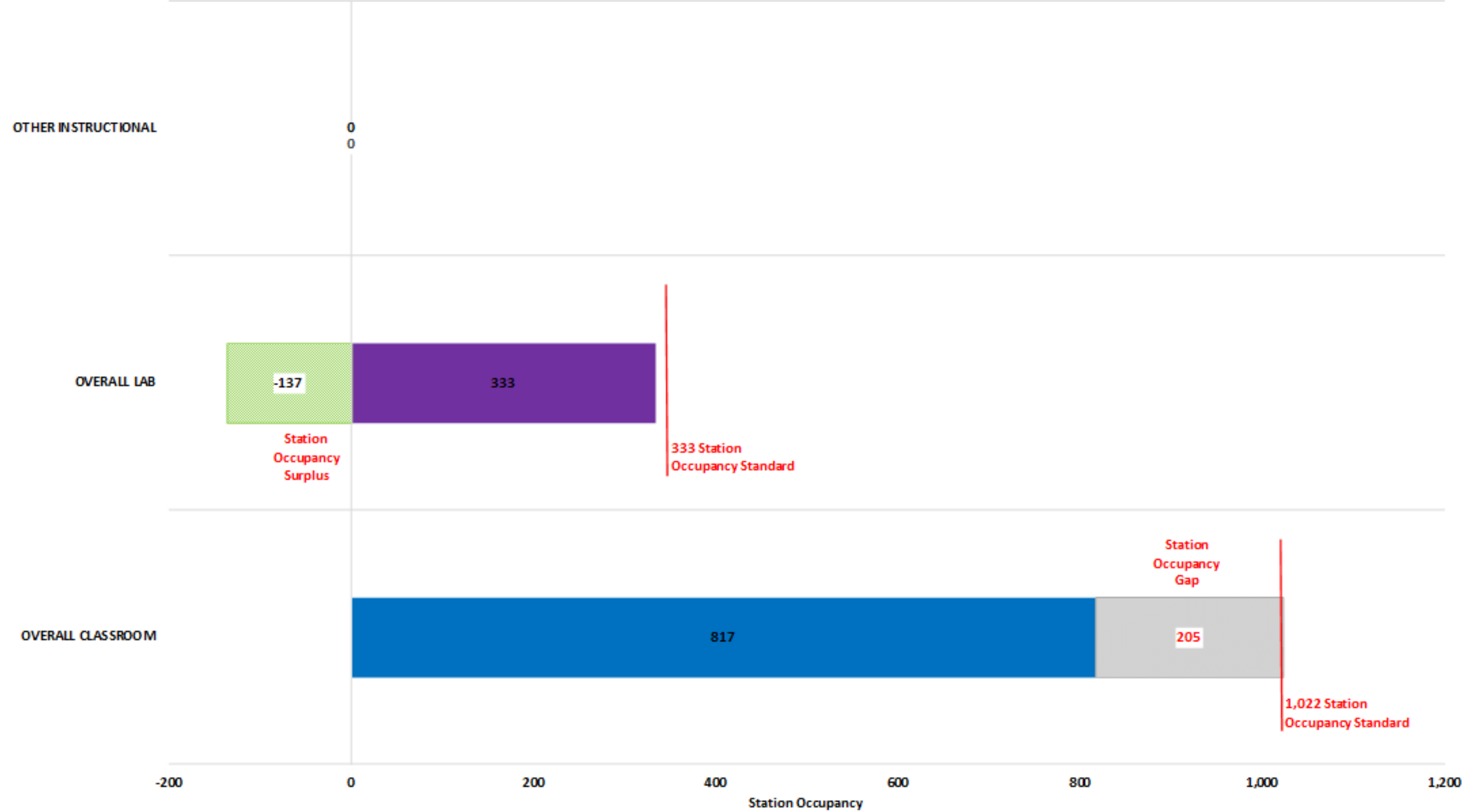
Space Utilization Study: Station Occupancy Rate Efficiency

BERKELEY CITY COLLEGE- FALL 2019 SPACE UTILIZATION: STATION OCCUPANCY RATE EFFICIENCY (CAMPUS)

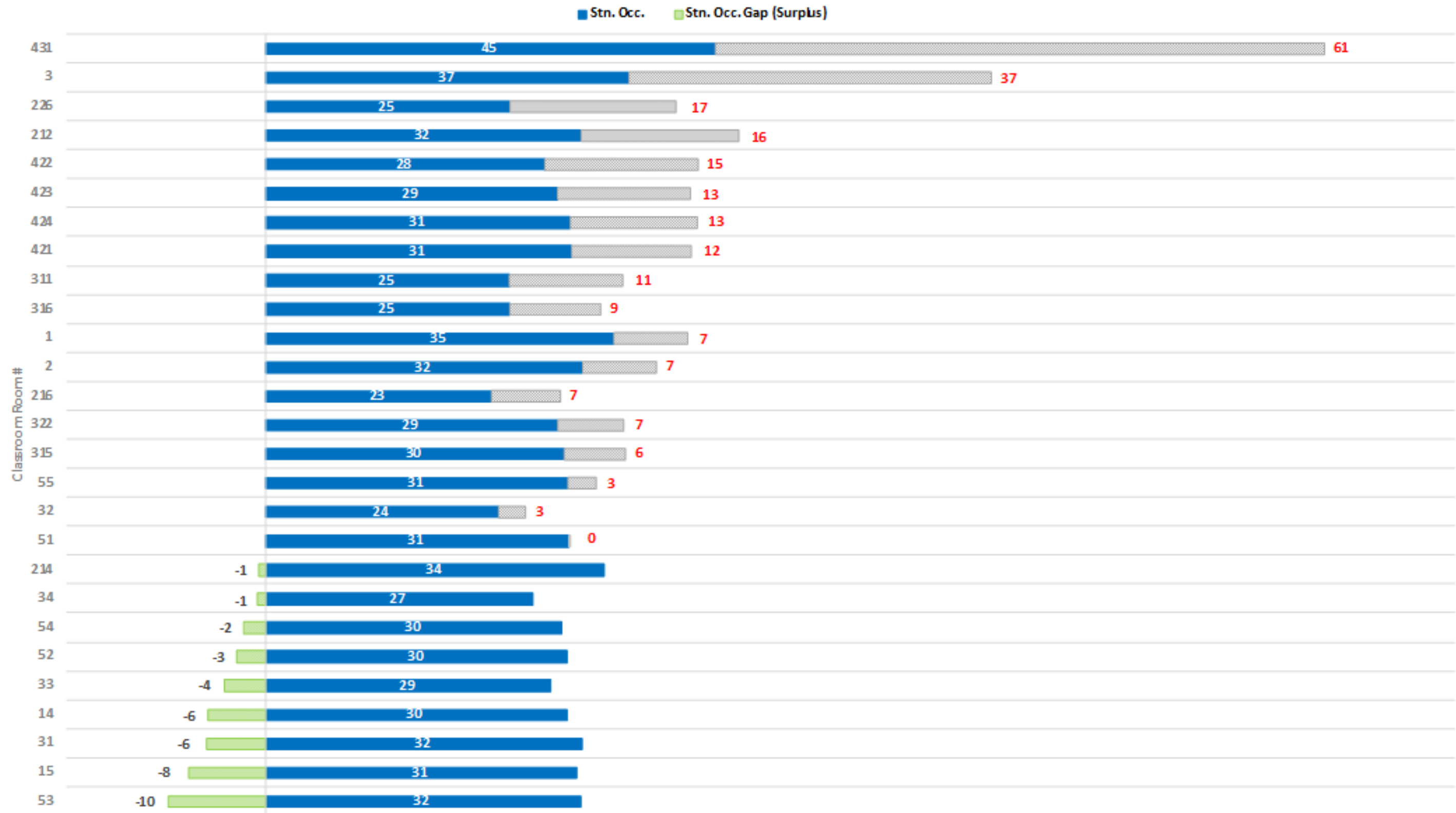
Room	Room Use	TOP Code	ASF	Stn. Cap. (Title 5)	Average Stn. Occ.	Stn. Occ. Standard	% to Stn. Occ. Standard	Stn. Occ. Gap (Surplus)
1	Classroom	General Assignment	968	65	35.1	42.6	82.5%	7.4
2	Classroom	General Assignment	896	60	32.0	39.4	81.2%	7.4
3	Classroom	General Assignment	1,664	111	36.7	73.2	50.1%	36.5
14	Classroom	General Assignment	559	37	30.4	24.6	123.6%	-5.8
15	Classroom	General Assignment	537	36	31.4	23.6	133.0%	-7.8
21	Assembly	Community Recreation	3,288	N/A	N/A	N/A	N/A	N/A
31	Classroom	General Assignment	592	39	32.0	26.0	122.9%	-6.0
32	Classroom	General Assignment	596	40	23.5	26.2	89.6%	2.7
33	Classroom	General Assignment	561	37	28.8	24.7	116.7%	-4.1
34	Classroom	General Assignment	596	40	27.0	26.2	103.0%	-0.8
51	Classroom	General Assignment	699	47	30.6	30.8	99.5%	0.2
52	Classroom	General Assignment	626	42	30.5	27.5	110.6%	-2.9
53	Classroom	General Assignment	500	33	31.8	22.0	144.5%	-9.8
54	Classroom	General Assignment	629	42	29.9	27.7	108.0%	-2.2
55	Classroom	General Assignment	758	51	30.5	33.4	91.4%	2.9
212	Classroom	General Assignment	1,085	72	31.8	47.7	66.7%	15.9
213	ClassLab	Digital Media	1,612	32	36.9	27.4	134.6%	-9.5
214	Classroom	General Assignment	759	51	34.1	33.4	102.2%	-0.7
216	Classroom	General Assignment	676	45	22.8	29.7	76.6%	7.0
218	ClassLab	Digital Media	1,002	20	36.9	17.0	216.5%	-19.8
223	ClassLab	Sign Language	935	12	27.1	10.6	255.6%	-16.5
226	Classroom	General Assignment	941	63	24.7	41.4	59.6%	16.7
227	ClassLab	Digital Media	1,609	32	30.6	27.4	111.9%	-3.2
311	Classroom	General Assignment	819	55	24.6	36.0	68.2%	11.5
312	ClassLab	Computer Information Systems	1,611	40	24.8	34.2	72.5%	9.4
313	ClassLab	Digital Media	1,979	40	32.1	33.6	95.5%	1.5
315	Classroom	General Assignment	825	55	30.1	36.3	83.0%	6.2
316	Classroom	General Assignment	768	51	24.6	33.8	72.9%	9.2
321	ClassLab	Other Fine and Applied Arts	1,065	18	36.6	15.1	242.8%	-21.5
322	Classroom	General Assignment	821	55	29.5	36.1	81.6%	6.6
323	ClassLab	Digital Media	1,609	32	25.8	27.4	94.1%	1.6
324	ClassLab	Digital Media	1,549	31	32.1	26.3	122.0%	-5.8
411	ClassLab	Art (Painting, Drawing and Sculpture)	1,352	23	29.7	19.2	154.9%	-10.5
413	ClassLab	Art (Painting, Drawing and Sculpture)	1,165	19	26.0	16.5	157.5%	-9.5
421	Classroom	General Assignment	976	65	30.9	42.9	71.9%	12.1
422	Classroom	General Assignment	992	66	28.2	43.6	64.5%	15.5
423	Classroom	General Assignment	974	65	29.5	42.9	68.7%	13.4
424	Classroom	General Assignment	990	66	30.8	43.6	70.6%	12.8
431	Classroom	General Assignment	2,428	162	45.4	106.8	42.5%	61.5
513	ClassLab	Biology, General	1,091	20	28.0	16.9	166.1%	-11.1
514	ClassLab	Physical Sciences, General	1,261	21	23.0	17.9	128.7%	-5.1
518	ClassLab	Chemistry, General	752	13	26.1	10.7	244.7%	-15.4
521	ClassLab	Chemistry, General	1,105	18	33.9	15.7	216.7%	-18.3
522	ClassLab	Biotechnology and Biomedical Tech	1,115	20	20.4	17.2	118.2%	-3.1
TOTAL CAMPUS (FALL 2019)			47,335	1,941	1,287	N/A	N/A	N/A



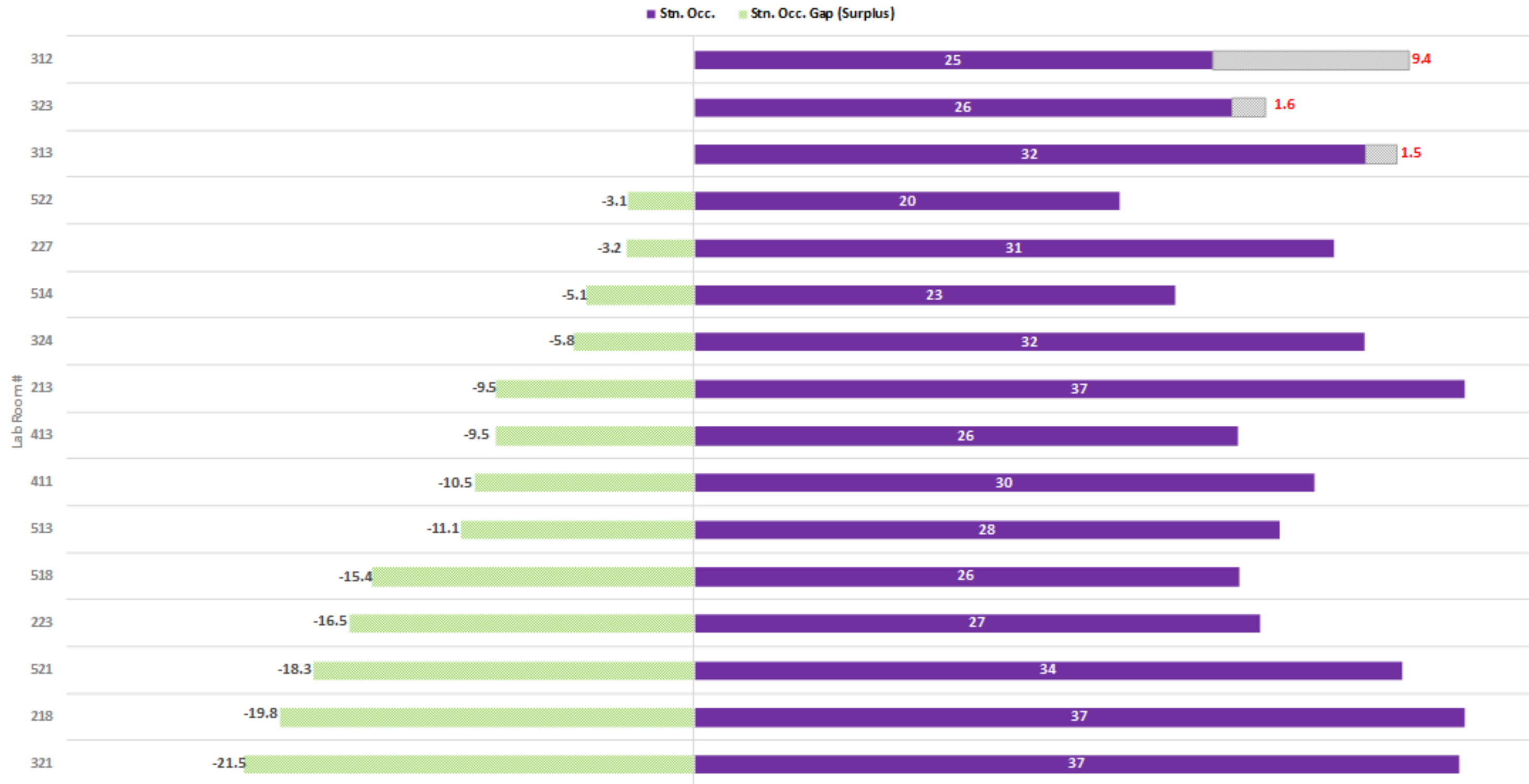
Classroom, Lab & Other Instructional (Station Occupancy Standard & Station Occupancy Gap / Surplus)



Classroom (Avg. Station Occupancy & Station Occupancy Gap / Surplus)



Lab (Avg. Station Occupancy & Station Occupancy Gap / Surplus)





Berkeley City College

Space Utilization Study: Overview Tables



BERKELEY CITY COLLEGE- FALL 2019 SPACE UTILIZATION: OVERVIEW TABLES

Attention Ranking	
High Attention	
Medium Attention	
Low Attention	

Classrooms

Room #	% to Hourly Utilization Standard	% to WSCH Capacity	Variance (% to Hourly Util. & WSCH Cap.)	Capacity Load	WSCH Gap	Station Occupancy Gap	Overall Attention Ranking	Highest Concern
1	67%	37%	-30%	269%	1,286	7	High	WSCH Gap
2	43%	23%	-20%	429%	1,452	7	High	Low Hourly Utilization
3	84%	26%	-58%	378%	2,587	37	High	Station Occupancy Gap
14	93%	75%	-18%	133%	296	-6	Low	WSCH Gap
15	99%	79%	-20%	127%	239	-8	Low	WSCH Gap
31	92%	74%	-18%	135%	326	-6	Low	WSCH Gap
32	106%	65%	-41%	154%	442	3	Medium	WSCH Gap
33	57%	44%	-13%	225%	660	-4	High	Low Hourly Utilization
34	101%	71%	-30%	141%	369	-1	Low	WSCH Gap
51	62%	41%	-21%	242%	867	0	High	Low Hourly Utilization
52	98%	71%	-27%	141%	384	-3	Low	WSCH Gap
53	72%	69%	-3%	146%	332	-10	Low	Low Hourly Utilization
54	103%	73%	-30%	136%	353	-2	Low	WSCH Gap
55	113%	68%	-45%	147%	512	3	Medium	WSCH Gap
212	85%	36%	-49%	277%	1,466	16	High	Station Occupancy Gap
214	95%	66%	-29%	153%	553	-1	Medium	WSCH Gap
216	99%	49%	-50%	202%	722	7	High	WSCH Gap
226	92%	36%	-56%	275%	1,266	17	High	Station Occupancy Gap
311	87%	48%	-39%	211%	909	11	High	Station Occupancy Gap
315	106%	55%	-51%	181%	783	6	High	Station Occupancy Gap
316	144%	77%	-67%	130%	373	9	Medium	Station Occupancy Gap
322	104%	64%	-40%	157%	631	7	Medium	Station Occupancy Gap
421	77%	37%	-40%	269%	1,298	12	High	Station Occupancy Gap
422	120%	53%	-67%	190%	996	15	High	Station Occupancy Gap
423	92%	40%	-52%	249%	1,232	13	High	Station Occupancy Gap
424	112%	50%	-62%	199%	1,042	13	High	Station Occupancy Gap
431	80%	23%	-57%	429%	3,938	61	High	Station Occupancy Gap



BERKELEY CITY COLLEGE- FALL 2019 SPACE UTILIZATION: OVERVIEW TABLES

Attention Ranking	
High Attention	
Medium Attention	
Low Attention	

LABS

Room #	% to Hourly Utilization Standard	% to WSCH Capacity	Variance (% to Hourly Util. & WSCH Cap.)	Capacity Load	WSCH Gap	Station Occupancy Gap	Overall Attention Ranking	Highest Concern
213	115%	106%	-9%	94%	-47	-9	Low	Overcrowded Station Occupancy
218	111%	171%	60%	58%	-333	-20	High	Overcrowded Station Occupancy
223	128%	263%	135%	38%	-475	-16	High	Overcrowded Station Occupancy
227	101%	83%	-18%	121%	128	-3	Medium	WSCH Gap
312	126%	76%	-50%	131%	224	9	High	Station Occupancy Gap
313	174%	134%	-40%	75%	-312	2	Medium	WSCH Gap
321	172%	353%	181%	28%	-1,049	-22	High	Overcrowded Station Occupancy
323	145%	145%	0%	69%	-338	2	Low	High Hourly Utilization
324	132%	133%	1%	75%	-241	-6	Medium	Overcrowded Station Occupancy
411	128%	157%	29%	64%	-297	-11	Medium	Overcrowded Station Occupancy
413	71%	89%	18%	112%	50	-9	Medium	Low Hourly Utilization
513	155%	219%	64%	46%	-553	-11	High	Overcrowded Station Occupancy
514	59%	65%	6%	153%	169	-5	High	Low Hourly Utilization
518	164%	359%	195%	28%	-757	-15	High	Overcrowded Station Occupancy
521	108%	147%	39%	68%	-201	-18	Medium	Overcrowded Station Occupancy
522	121%	129%	8%	77%	-139	-3	Low	High Hourly Utilization