UNIVERSITY OF CALIFORNIA

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO   SANTA BARBARA • SANTA CRUZ

EXECUTIVE VICE PRESIDENT—
CHIEF FINANCIAL OFFICER

OFFICE OF THE PRESIDENT
1111 Franklin Street, 6th Floor
Oakland, California 94607-5200
Phone (510) 987-9029

November 1, 2019

The Honorable Holly J Mitchell
Chair, Joint Legislative Budget Committee
State Capitol, Room 5080
Sacramento, CA 95814

Ms. Keely Bosler
Director of Finance
State Capitol, Room 1145
Sacramento, CA 95814

Dear Senator Mitchell and Director Bosler:

Enclosed is the University of California's report of Classroom and Teaching Lab Utilization for fall 2018. This report responds to Section 67503(a) of the Education Code that requests the University of California provide the Joint Legislative Budget Committee and the Department of Finance a report on the utilization of classroom and teaching laboratories.

Sincerely,

Paul Jenny
Interim Executive Vice President – Chief Financial Officer

Enclosure

cc: Ms. Jennifer Troia, Consultant, Joint Legislative Budget Committee
        Mr. Petek, Legislative Analyst
        Mr. Constantouros, Senior Fiscal and Policy Analyst, Legislative Analyst's Office
        Ms. McGee, Executive Secretary, Legislative Analyst's Office
        Mr. Almy, Program Budget Manager, Department of Finance
        Mr. Lief, Assistant Program Manager, Department of Finance
        Ms. Lukenbill, Principal Program Analyst, Department of Finance
        Mr. Katz, Finance Budget Analyst, Department of Finance
        Ms. Contreras, Secretary of the Senate
        Mr. Wilson, Chief Clerk of the Assembly
        Ms. Leach, Office of the Chief Clerk of the Assembly
        Indexing Division, Office of Legislative Counsel
        Associate Vice President & Systemwide Controller Arrivas
        Associate Vice President Flaherty
        Executive Director Stimpson

University of California
Classroom and Teaching Lab Utilization Report
November 2019

FALL 2018 CLASSROOM AND TEACHING LABORATORY UTILIZATION UNIVERSITY OF CALIFORNIA

I.   INTRODUCTION

The purpose of the report is to compare the utilization of specific types of rooms to established standards. This report provides one piece of useful information which, coordinated with other analyses, assists in the development and review of a campus capital program. In general, the data contained in the enclosed report reflect campus enrollments from the 2018 fall term.

II.   THE STANDARDS

Each campus collects data about class schedules and class enrollment, combines these data with the inventory of rooms to which utilization standards apply, and then compares the resulting room utilization with the following legislatively approved standards:

- Classrooms: 35 weekly student contact hours per station
- Teaching Laboratories: 20 weekly student contact hours per station

These standards are based on (a) the expected number of hours a room is to be scheduled, and (b) the percentage of stations expected to be occupied when the room is scheduled.

Classrooms. The approved standard for classrooms, as established in 1970 in Assembly Concurrent Resolution 151, expects a room to be scheduled (on average) 75% of the 70 hours that fall between 8 a.m. and 10 p.m., Monday through Friday; i.e., 52.5 hours per week. During these scheduled hours, it is expected that two-thirds (66.7%) of the stations will be occupied. Combining the expectation of scheduling with the expectation of occupancy, one arrives at the standard of 35 weekly student contact hours per station (52.5 hours x 66.7%) occupancy for classrooms.

The classroom standard applies to all campus general-assignment and departmentally controlled classrooms and seminar rooms within general and professional instruction and research (I&R) programs. Excluded from this official submittal are health sciences, University Extension, and other non-standard programs and rooms (for example: physical education, military science, etc.). Presentation of classroom utilization in terms of the 35 hour standard is in compliance with supplemental language of the Budget Act of 1973.

Teaching Laboratories. The Supplemental Report to the 1973 Budget Act defined teaching laboratory standards for lower division and upper division teaching laboratories. UC does not distinguish among levels of instruction in its inventory of rooms, since teaching laboratories may serve each population in a given week, or even simultaneously, depending on class enrollment and scheduling. The average of the two standards (23.4 hours for lower division, 17.6 hours for upper division) results in 20 hours per week expected utilization, based on a 45-hour week, between 8 a.m. and 5 p.m., Monday through Friday.

The teaching laboratory standard applies to campus general-assignment (if any) and departmentally

controlled class laboratories for both general and professional I&R programs. Excluded from this official submittal are health sciences, University Extension, and other non-standard programs and rooms. Also excluded from the attached report are: special class laboratories (specially equipped labs serving a small number of courses, which for reasons of safety or expense cannot be used for other courses) and open laboratories, in which unscheduled but required instruction takes place, such as language labs, music studios, and self-instructional computer/media labs.

III. REPORT FORMAT

The tables on the first page of Appendix A present systemwide utilization statistics for classrooms and teaching laboratories. The remaining tables in Appendix A provide information for each campus, showing utilization by size of room. The formula used to calculate utilization is shown at the top of each column, and a definition of terms is included in Appendix B.

IV. CAVEATS ABOUT UTILIZATION DATA

The utilization standards are based on certain assumptions about class scheduling, room availability, and the nature of instruction. Campus practice in the use and scheduling of rooms and approaches to instruction may vary in a variety of ways from these assumptions. It is important to consider the following caveats when reviewing campus utilization reports, so as not to draw incorrect conclusions.

Room Availability. The utilization standards are based on an assumption that classrooms and teaching laboratories serve a single purpose and are available exclusively for that purpose. However, there are departments that use the rooms within their control for multiple purposes. This leads to an efficient use of space within the department (for example, using a room for scheduled seminars, independent study, and departmental meetings), but limits the availability of the room for 100% scheduled instruction. Since utilization measures only the instructional activities in rooms, it is not correct to assume that low utilization means rooms are standing empty.

Scheduling Pattern. The standards are based on a presumption that courses are scheduled according to a predictable pattern, such as one-hour, Monday-Wednesday-Friday classes; or one- and-a-half hour, Tuesday-Thursday classes. Such a pattern allows for a fairly simple "building block" approach to scheduling, with classes starting predictably on the hour or half-hour. When departments deviate from that practice, for example, by scheduling a three-hour lecture on Mondays only, it may be difficult to find courses for the corresponding time blocks on Wednesday and Friday. Another example of scheduling reality is that a course of study may not require laboratory experiences until the winter or spring quarter, making for uneven utilization patterns across the year.

Unscheduled Hours. Not all of a student's instructional time in a room is accounted for in utilization reports. For example, a course may have six hours a week of scheduled laboratory activity but will require an additional number of hours of unscheduled work in the same room. A student may have to return every few hours to continue work on an experiment or project. However since these hours are not scheduled, they cannot be counted for utilization purposes. If a room is available for the student's required but unscheduled activities, it is unavailable for other courses.

Nature of Instruction. The way a course is taught may affect a room's utilization, particularly in teaching laboratories. The standards assume that all courses are taught in similar ways (i.e., students arrive in a room, conduct an experiment, clean-up, and leave, making the room available for the next class). However, some courses require a set-up of apparatus or experiments that must remain in place for days, weeks, or even the duration of the quarter or semester. During the time they are set up, the room is not available to other courses for instruction.

Room Suitability. Two other factors affect whether the inventory of available classrooms and teaching laboratories are suitable to meet the curricular needs of programs. The first is "room fit" (i.e., whether there are enough rooms with the correct number of stations to match class size). Classes with small enrollments may have to meet in rooms that are too large for them if there are not enough small classrooms available. Lack of suitable rooms may also require that lecture or discussion courses be scheduled in teaching laboratories. Such a situation may lead to "good" utilization for those laboratories but obscures that fact that the rooms are being used inappropriately.

A second factor, particularly in teaching laboratories but to some degree in classrooms, is the suitability of the design and equipment for the courses being offered. The availability or absence of certain technology equipment may affect utilization. Some teaching laboratories, which by definition are already limited to use by a single discipline, may be sufficiently specialized that it is difficult to schedule a large number of courses in them (although not so specialized as to qualify them for special laboratory status). This holds true particularly in the sciences and engineering, fields of study that increasingly require specialized rooms and equipment to teach even beginning students.

Preparation/Set-up Time. While utilization standards recognize to some extent that time is required to set-up and clean-up the activities, the standards are only averages which may not reflect the requirements of some campus programs, which can be very elaborate and time- consuming. Also, if there is only limited staff assistance available, it takes longer to prepare the room, further limiting the time it is available.

Appropriateness of the Standard. The University agrees with the findings of the MGT review of space and utilization standards in the United States, as reported in the 1990 California Postsecondary Education Commission report, *A Capacity for Learning,* that a classroom utilization standard of 30 hours is more realistic than California's current standard of 35 hours. Among the reasons cited in this comprehensive report was the relationship of the support budget to utilization; that is, attempts to make any significant impact on utilization by offering more evening classes can place an undue strain on the support budget. The report also notes that full-time day students, such as University students, tend to extend their studies an extra term rather than attend evening classes. Thus, the expectations of the standard that classes be held until I0 p.m. in the evening are not reflective of actual attendance.

V. CONCLUSION

Utilization standards are a valuable tool for measuring the use of facilities. They have provoked discussions at each campus about how to find more efficient ways of scheduling courses and rooms, so as not to waste valuable facilities resources. Nevertheless, it is not appropriate to achieve maximum utilization at the expense of carefully thought-out programmatic and pedagogical choices. Utilization data goes only so far in evaluating the need for more or different instructional facilities, and academic choices about how best to teach must be respected.

UNIVERSITY OF CALIFORNIA
UTILIZATION SUMMARY
Fall 2018

Universitywide

TABLE: Classroom Utilization

	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
Campus	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
Berkeley	335	18,831	430,146	637,699	33.9	67.5%	22.8	65.3%
Davis	160	10,973	344,697	505,842	46.1	68.1%	31.4	89.8%
Irvine	162	11,747	374,380	505,103	43.0	74.1%	31.9	91.1%
Los Angeles	290	17,820	426,696	721,792	40.5	59.1%	23.9	68.4%
Merced	72	3,818	103,087	143,555	37.6	71.8%	27.0	77.1%
Riverside	88	6,947	252,627	349,199	50.3	72.3%	36.4	103.9%
San Diego	123	9,297	383,578	474,124	51.0	80.9%	41.3	117.9%
Santa Barbara	139	7,291	205,700	275,708	37.8	74.6%	28.2	80.6%
Santa Cruz	87	5,581	235,665	317,809	56.9	74.2%	42.2	120.6%

TABLE: Teaching Laboratory Utilization

	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
Campus	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
Berkeley	25	1,832	25,862	48,705	26.6	53.1%	14.1	70.6%
Davis	111	2,867	55,585	69,298	24.2	80.2%	19.4	96.9%
Irvine	37	999	23,214	27,158	27.2	85.5%	23.2	116.2%
Los Angeles	54	1,347	21,983	31,139	23.1	70.6%	16.3	81.6%
Merced	27	706	22,446	27,927	39.6	80.4%	31.8	159.0%
Riverside	59	1,380	33,364	41,270	29.9	80.8%	24.2	120.9%
San Diego	52	1,346	27,568	30,573	22.7	90.2%	20.5	102.4%
Santa Barbara	62	1,602	33,618	41,435	25.9	81.1%	21.0	104.9%
Santa Cruz	47	1,121	21,652	25,715	22.9	84.2%	19.3	96.6%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

Berkeley

TABLE: Classroom Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/35 Utilization as % of Standard
1 - 15	16	219	1,645	3,062	14.0	53.7%	7.5	21.5%
16 - 25	67	1,393	26,295	37,221	26.7	70.6%	18.9	53.9%
26 - 50	159	5,670	108,955	189,963	33.5	57.4%	19.2	54.9%
51 - 100	60	4,213	68,541	115,180	27.3	59.5%	16.3	46.5%
101 - 200	19	2,691	64,486	96,015	35.7	67.2%	24.0	68.5%
201 - 300	10	2,485	66,106	87,081	35.0	75.9%	26.6	76.0%
301+	4	2,160	94,119	109,178	50.5	86.2%	43.6	124.5%
Total Campus	335	18,831	430,146	637,699	33.9	67.5%	22.8	65.3%

TABLE: Teaching Laboratory Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/20 Utilization as % of Standard
1 - 15	2	25	275	335	13.4	81.9%	11.0	54.9%
16 - 25	35	775	11,506	12,692	16.4	90.7%	14.8	74.2%
26 - 40	58	1,900	28,835	42,527	22.4	67.8%	15.2	75.9%
41+	13	1,073	17,342	34,513	32.2	50.2%	16.2	80.8%
Total Campus	25	1,832	25,862	48,705	26.6	53.1%	14.1	70.6%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

Davis

TABLE: Classroom Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/35 Utilization as % of Standard
1 - 15	16	232	3,439	4,935	21.3	69.7%	14.8	42.4%
16 - 25	16	332	8,326	10,392	31.3	80.1%	25.1	71.7%
26 - 50	67	2,602	67,718	118,010	45.4	57.4%	26.0	74.4%
51 - 100	33	2,405	69,443	110,159	45.8	63.0%	28.9	82.5%
101 - 200	21	3,007	96,524	130,479	43.4	74.0%	32.1	91.7%
201 - 300	4	1,099	45,561	57,238	52.1	79.6%	41.5	118.4%
301+	3	1,296	53,687	74,629	57.6	71.9%	41.4	118.4%
Total Campus	160	10,973	344,697	505,842	46.1	68.1%	31.4	89.8%

TABLE: Teaching Laboratory Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/20 Utilization as % of Standard
1 - 15	6	84	1,323	1,034	12.3	128.0%	15.8	78.8%
16 - 25	71	1,636	31,717	34,709	21.2	91.4%	19.4	96.9%
26 - 40	28	853	20,056	27,660	32.4	72.5%	23.5	117.6%
41+	6	294	2,490	5,896	20.1	42.2%	8.5	42.3%
Total Campus	111	2,867	55,585	69,298	24.2	80.2%	19.4	96.9%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

Irvine

TABLE: Classroom Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/35 Utilization as % of Standard
1 - 15	0	0	0	0	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
16 - 25	10	241	5,026	6,637	27.5	75.7%	20.9	59.6%
26 - 50	87	3,032	69,987	104,687	34.5	66.9%	23.1	66.0%
51 - 100	40	2,836	75,429	99,348	35.0	75.9%	26.6	76.0%
101 - 200	13	1,668	57,136	79,572	47.7	71.8%	34.3	97.9%
201 - 300	5	1,299	51,129	70,093	54.0	72.9%	39.4	112.5%
301+	7	2,671	115,674	144,768	54.2	79.9%	43.3	123.7%
Total Campus	162	11,747	374,380	505,103	43.0	74.1%	31.9	91.1%

TABLE: Teaching Laboratory Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/20 Utilization as % of Standard
1 - 15	0	0	0	0	0.0	0.0%	0.0	0.0%
16 - 25	27	612	14,059	15,988	26.1	87.9%	23.0	114.9%
26 - 40	5	151	2,789	3,136	20.8	88.9%	18.5	92.3%
41+	5	236	6,367	8,034	34.0	79.2%	27.0	134.9%
Total Campus	37	999	23,214	27,158	27.2	85.5%	23.2	116.2%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

Los Angeles

TABLE: Classroom Utilization by Room Size

	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
Station Count	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	20	223	3,567	4,616	20.7	77.3%	16.0	45.7%
16 - 25	54	1,114	24,543	35,213	31.6	69.7%	22.0	62.9%
26 - 50	121	4,502	104,728	182,367	40.5	57.4%	23.3	66.5%
51 - 100	57	4,134	75,868	145,481	35.2	52.1%	18.4	52.4%
101 - 200	23	3,151	79,603	128,979	40.9	61.7%	25.3	72.2%
201 - 300	8	2,040	60,993	94,947	46.5	64.2%	29.9	85.4%
301+	7	2,656	77,395	130,190	49.0	59.4%	29.1	83.3%
Total Campus	290	17,820	426,696	721,792	40.5	59.1%	23.9	68.4%

TABLE: Teaching Laboratory Utilization by Room Size

	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
Station Count	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	10	121	1,272	1,357	11.2	93.7%	10.5	52.6%
16 - 25	32	666	16,375	17,788	26.7	92.1%	24.6	122.9%
26 - 40	7	248	2,342	4,848	19.5	48.3%	9.4	47.2%
41+	5	312	1,994	7,146	22.9	27.9%	6.4	31.9%
Total Campus	54	1,347	21,983	31,139	23.1	70.6%	16.3	81.6%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

Merced

TABLE: Classroom Utilization by Room Size

	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
Station Count	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	2	24	236	498	20.8	47.4%	9.8	28.1%
16 - 25	31	721	20,652	26,958	37.4	76.6%	28.6	81.8%
26 - 50	19	648	18,678	27,441	42.3	68.1%	28.8	82.4%
51 - 100	11	858	17,183	26,274	20.0	152.9%	20.0	57.2%
101 - 200	7	980	27,385	35,592	36.3	76.9%	27.9	79.8%
201 - 300	1	210	6,879	9,450	0.0	0.0%	0.0	0.0%
301+	1	377	12,074	17,342	46.0	69.6%	32.0	91.5%
Total Campus	72	3,818	103,087	143,555	37.6	71.8%	27.0	77.1%

TABLE: Teaching Laboratory Utilization by Room Size

	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
Station Count	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	0	0	0	0	0.0	0.0%	0.0	0.0%
16 - 25	19	428	10,607	12,252	28.6	86.6%	24.8	123.9%
26 - 40	6	182	9,020	10,929	60.0	82.5%	49.6	247.8%
41+	2	96	2,819	4,746	49.4	59.4%	29.4	146.8%
Total Campus	27	706	22,446	27,927	39.6	80.4%	31.8	159.0%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

Riverside

TABLE: Classroom Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/35 Utilization as % of Standard
1 - 15	3	40	1,073	1,315	32.9	81.6%	26.8	76.6%
16 - 25	4	93	2,629	3,994	42.9	65.8%	28.3	80.8%
26 - 50	50	1,789	58,234	88,642	49.5	65.7%	32.6	93.0%
51 - 100	16	1,119	39,782	58,176	52.0	68.4%	35.6	101.6%
101 - 200	6	789	34,436	42,329	53.6	81.4%	43.6	124.7%
201 - 300	4	1,165	42,207	66,396	57.0	63.6%	36.2	103.5%
301+	5	1,952	74,268	88,347	45.3	84.1%	38.0	108.7%
Total Campus	88	6,947	252,627	349,199	50.3	72.3%	36.4	103.9%

TABLE: Teaching Laboratory Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/20 Utilization as % of Standard
1 - 15	1	12	468	144	12.0	325.0%	39.0	195.0%
16 - 25	39	871	21,367	24,652	28.3	86.7%	24.5	122.7%
26 - 40	12	377	9,626	12,529	33.2	76.8%	25.5	127.7%
41+	7	120	1,904	3,945	32.9	48.3%	15.9	79.3%
Total Campus	59	1,380	33,364	41,270	29.9	80.8%	24.2	120.9%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

San Diego

TABLE: Classroom Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/35 Utilization as % of Standard
1 - 15	16	236	6,746	7,439	31.5	90.7%	28.6	81.7%
16 - 25	19	386	10,779	14,348	37.2	75.1%	27.9	79.8%
26 - 50	42	1,594	54,684	66,397	41.7	82.4%	34.3	98.0%
51 - 100	19	1,319	41,597	55,131	41.8	75.5%	31.5	90.1%
101 - 200	19	3,039	130,532	166,500	54.8	78.4%	43.0	122.7%
201 - 300	3	811	44,501	49,524	61.1	89.9%	54.9	156.8%
301+	5	1,912	94,739	114,784	60.0	82.5%	49.5	141.6%
Total Campus	123	9,297	383,578	474,124	51.0	80.9%	41.3	117.9%

TABLE: Teaching Laboratory Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/20 Utilization as % of Standard
1 - 15	1	7	120	35	0.0	0.0%	0	0.0%
16 - 25	39	909	18,372	18,932	20.8	97.0%	20.2	101.1%
26 - 40	9	280	6,847	8,342	29.8	82.1%	24.5	122.3%
41+	3	150	2,229	3,264	21.8	68.3%	14.9	74.3%
Total Campus	52	1,346	27,568	30,573	22.7	90.2%	20.5	102.4%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

Santa Barbara

TABLE: Classroom Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/35 Utilization as % of Standard
1 - 15	6	79	1,051	1,406	17.8	74.8%	13.3	38.0%
16 - 25	31	657	14,388	20,058	30.5	71.7%	21.9	62.6%
26 - 50	62	2,188	56,011	85,527	39.1	65.5%	25.6	73.1%
51 - 100	28	2,053	50,202	67,058	32.7	74.9%	24.5	69.9%
101 - 200	8	1,162	37,563	45,569	39.2	82.4%	32.3	92.4%
201 - 300	2	492	17,166	21,673	44.1	79.2%	34.9	99.7%
301+	2	660	29,318	34,416	52.1	85.2%	44.4	126.9%
Total Campus	139	7,291	205,700	275,708	37.8	74.6%	28.2	80.6%

TABLE: Teaching Laboratory Utilization by Room Size

Station Count	A Total Number Rooms	B Total Number Stations	C Total Wkly Student Contact Hours	D Total Weekly Station Hours	E=D/B Average Weighted WRH	F=C/D Average % Station Occupancy	G=C/B or G=E x F Average Weekly Hrs Station Use	H=G/20 Utilization as % of Standard
1 - 15	5	56	768	780	13.9	98.4%	13.7	68.6%
16 - 25	39	869	22,709	25,063	28.8	90.6%	26.1	130.7%
26 - 40	14	465	6,790	10,749	23.1	63.2%	14.6	73.0%
41+	4	212	3,350	4,842	22.8	69.2%	15.8	79.0%
Total Campus	62	1,602	33,618	41,435	25.9	81.1%	21.0	104.9%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
Fall 2018

Santa Cruz

TABLE: Classroom Utilization by Room Size

	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/35
Station Count	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	3	45	91	236	5.3	38.5%	2.0	5.8%
16 - 25	28	617	16,672	21,711	35.2	76.8%	27.0	77.2%
26 - 50	31	1,160	49,661	69,870	60.2	71.1%	42.8	122.3%
51 - 100	12	914	30,138	48,045	52.6	62.7%	33.0	94.2%
101 - 200	7	987	42,179	55,906	56.6	75.4%	42.7	122.1%
201 - 300	4	1,004	52,337	66,154	65.9	79.1%	52.1	148.9%
301+	2	854	44,586	55,887	65.4	79.8%	52.2	149.2%
Total Campus	87	5,581	235,665	317,809	56.9	74.2%	42.2	120.6%

TABLE U-2T: Teaching Laboratory Utilization by Room Size

	A	B	C	D	E=D/B	F=C/D	G=C/B or G=E x F	H=G/20
Station Count	Total Number Rooms	Total Number Stations	Total Wkly Student Contact Hours	Total Weekly Station Hours	Average Weighted WRH	Average % Station Occupancy	Average Weekly Hrs Station Use	Utilization as % of Standard
1 - 15	4	40	315	521	13.0	60.4%	7.9	39.4%
16 - 25	35	717	13,521	14,586	20.3	92.7%	18.9	94.3%
26 - 40	4	128	1,663	2,534	19.8	65.7%	13.0	65.0%
41+	4	236	6,153	8,075	34.2	76.2%	26.1	130.4%
Total Campus	47	1,121	21,652	25,715	22.9	84.2%	19.3	96.6%

DEFINITION OF TERMS USED IN UTILIZATION TABLES

Fall Term - Indicates a snapshot date-in-time, the end of the third week of classes in the fall term, at which time data is collected for utilization reporting.

Room - Utilization data is reported for classrooms (i.e., classrooms and seminar rooms) and teaching laboratories, in general and professional instruction and research programs.

Station - Student stations, usually chairs or stools--not the work area or set-up itself which may be shared by two or more students. For example, a single computer may serve two student seats. The number of stations in this case equals two.

Weekly Student Contact Hours (WSCH) - The "workload" measurement of students, indicating the number of hours per week that each student is scheduled to attend a class in each of the facilities in which the class is scheduled. Weekly student contact hours are the products of class enrollments and weekly class hours. For example, a course that has 40 students and meets for three lecture hours and three lab hours per week generates 3 x 40 or 120 WSCH in lecture (classroom activity), and 3 x 40 or 120 WSCH in laboratory activity. Only those WSCH scheduled in classrooms, seminar rooms, and teaching laboratories are reported for utilization. There are no utilization standards for other types of rooms in which scheduled instruction may occur.

Weekly Room Hours (WRH) - Designates the time that a room is used on a weekly basis for the scheduled activities required for a course. (Also expressed as Weekly Station Hours.)

Percentage of Station Occupancy - The percentage of available stations occupied while the room is in use. An average calculated by dividing the weekly student contact hours (WSCH) by the weekly room hours.

Average Weekly Station Hours - Also expressed as Average Weekly Student Contact Hours per Station, or Average Station Use. Calculated by dividing weekly student contact hours by the total number of stations, or by multiplying weekly room hours per room by the average station occupancy. The result is the room's utilization, which is compared to the standard for a room of its type.