UNIVERSITY OF CALIFORNIA

EXECUTIVE VICE PRESIDENT –
BUSINESS OPERATIONS

OFFICE OF THE PRESIDENT
1111 Franklin Street, 6th Floor
Oakland, California 94607-5200
(510) 987-9101
(510) 987-0736 FAX

November 1, 2011

Mr. Mac Taylor, Legislative Analyst
Executive Office
925 L Street, Suite 1000
Sacramento, California 95814

Dear Mr. Taylor:

Enclosed is the University of California's biennial report of utilization of classrooms and teaching laboratories. These data reflect campus enrollments from the 2010 Fall term and are based on the utilization guidelines approved by the legislature.

This report responds to the legislative request set forth in the Education Code as follows:

> 67503. (a) On or before November 1, 2010, and at least biennially thereafter, the University of California is requested to, and the California State University shall, report on the utilization of classrooms and teaching laboratories. The report shall include for each campus in their respective system the total number of rooms, number of stations, weekly student contact hours, and weekly station hours. The report shall also include the average weekly hours of station use and actual utilization as a percentage of the utilization standard.

This report also corresponds to the recommendations contained in the California Postsecondary Education Commission (CPEC) 1990 report, *A Capacity for Learning*.

The data in the enclosed Utilization Report details use of the University's instructional facilities at each campus.

Sincerely,

Patrick J. Lenz
Vice President for Budget and Capital Resources

Attachments
cc: The Honorable Mark Leno,
             Chair, Joint Legislative Budget Committee
        Ms. Theresa Gunn, Department of Finance
             Attn: Mr. Stan Hiuga (with attachments)

Associate Vice President Steve Juarez, State Governmental Relations
Ms. Diane Boyer-Vine, Legislative Counsel
Mr. Steve Boilard, Legislative Analyst's Office (with attachments)
Mr. Paul Golaszewski, Legislative Analysit's Office (with attachments)
Mr. Gregory Schmidt, Secretary of the Senate
Mr. E. Dotson Wilson, Chief Clerk of the Assembly
Mr. Kevin Woolfork, California Postsecondary Education Commission (with attachments)

bcc: Associate Vice President Wylie
      Executive Director Thomas (with attachments)
      Senior Educational Facilities Planner Ross (with attachments)
      Senior Administrative Analyst Hanchock (with attachments)
      State Capital Program Files (with attachments)

FALL 2010 CLASSROOM AND TEACHING LABORATORY UTILIZATION
UNIVERSITY OF CALIFORNIA

Introduction

This is the University of California's biennial report of Fall term utilization of classrooms and teaching laboratories. 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.

The report is in accordance with the legislative request set forth in the Education Code as follows:

> 67503. (a) On or before November 1, 2010, and at least biennially thereafter, the University of California is requested to, and the California State University shall, report on the utilization of classrooms and teaching laboratories. The report shall include for each campus in their respective system the total number of rooms, number of stations, weekly student contact hours, and weekly station hours. The report shall also include the average weekly hours of station use and actual utilization as a percentage of the utilization standard.

The data contained in the enclosed report reflect campus enrollments from the 2008 Fall term.

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. The University 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 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.). 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.

Report Format

The tables on the first page of Appendix A present total campus utilization statistics for classrooms and teaching laboratories. The remaining tables in Appendix A provide detailed information for each campus, showing utilization by size of room. These latter tables are particularly important for identifying possible mismatches between the size of rooms that are available and the size of classes being scheduled.

The formula used to calculate utilization is shown at the top of each column, and a definition of terms is included in Appendix B.

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. Since standards are at best averages that present only part of a picture, 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. In fact, 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 scheduling reality is that a course of study may not require laboratory experiences, for example, 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. 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, for example, 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 equipment, such as computer linkages or projection screens, 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 CPEC 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, which places undue strains 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 10 p.m in the evening are not reflective of actual attendance.

Conclusion

Utilization standards are a valuable tool for measuring the use of facilities. They have provoked serious and fruitful discussion 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 2010

Universitywide

TABLE U-1C: Classroom Utilization

Campus	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
Berkeley	275	15,479	409,209	528,492	34.1	77.4%	26.4	75.5%
Davis	142	10,466	311,202	392,070	37.5	79.4%	29.7	85.0%
Irvine	153	10,546	279,477	478,368	45.4	58.4%	26.5	75.7%
Los Angeles	256	15,938	341,337	507,569	31.8	67.2%	21.4	61.2%
Merced	34	1,779	57,482	88,640	49.8	64.8%	32.3	92.3%
Riverside	82	6,243	237,825	307,187	49.2	77.4%	38.1	108.8%
San Diego	116	8,359	288,517	384,636	46.0	75.0%	34.5	98.6%
Santa Barbara	128	6,831	183,227	260,426	38.1	70.4%	26.8	76.6%
Santa Cruz	86	5,579	204,479	362,302	64.9	56.4%	36.7	104.7%

UNIVERSITY OF CALIFORNIA
UTILIZATION SUMMARY
FALL 2010

Universitywide

TABLE U-1T: Teaching Laboratory Utilization

Campus	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
Berkeley	88	2,740	54,056	65,106	23.8	83.0%	19.7	98.6%
Davis	93	2,387	46,416	56,062	23.5	82.8%	19.4	97.2%
Irvine	35	838	18,542	27,927	33.3	66.4%	22.1	110.6%
Los Angeles	40	1,020	18,109	21,845	21.4	82.9%	17.8	88.8%
Merced	22	501	11,028	13,761	27.5	80.1%	22.0	110.1%
Riverside	53	1,278	34,727	40,013	31.3	86.8%	27.2	135.9%
San Diego	49	1,227	29,620	33,185	27.0	89.3%	24.1	120.7%
Santa Barbara	52	1,261	24,676	29,798	23.6	82.8%	19.6	97.8%
Santa Cruz	39	816	17,595	18,343	22.5	95.9%	21.6	107.8%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Berkeley

TABLE U-2C: 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	11	156	2,409	3,223	20.7	74.7%	15.4	44.1%
16 - 25	67	1,438	32,716	40,127	27.9	81.5%	22.8	65.0%
26 - 50	131	4,945	119,226	164,501	33.3	72.5%	24.1	68.9%
51 - 100	38	2,663	66,679	85,274	32.0	78.2%	25.0	71.5%
101 - 200	17	2,386	62,136	83,659	35.1	74.3%	26.0	74.4%
201 - 300	7	1,735	53,749	64,290	37.1	83.6%	31.0	88.5%
301+	4	2,156	72,294	87,418	40.5	82.7%	33.5	95.8%
Total Campus	275	15,479	409,209	528,492	34.1	77.4%	26.4	75.5%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Berkeley

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	9	119	3,696	2,579	21.7	143.3%	31.1	155.3%
16 - 25	55	1,298	30,813	32,155	24.8	95.8%	23.7	118.7%
26 - 40	15	468	8,001	10,047	21.5	79.6%	17.1	85.5%
41+	9	855	11,546	20,325	23.8	56.8%	13.5	67.5%
Total Campus	88	2,740	54,056	65,106	23.8	83.0%	19.7	98.6%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Davis

TABLE U-2C: 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	13	187	2,797	3,792	20.3	73.8%	15.0	42.7%
16 - 25	12	279	9,580	12,282	44.0	78.0%	34.3	98.1%
26 - 50	59	2,354	60,263	99,786	42.4	60.4%	25.6	73.1%
51 - 100	31	2,310	55,661	52,033	22.5	107.0%	24.1	68.8%
101 - 200	18	2,519	74,496	95,216	37.8	78.2%	29.6	84.5%
201 - 300	6	1,521	50,521	61,189	40.2	82.6%	33.2	94.9%
301+	3	1,296	57,884	67,772	52.3	85.4%	44.7	127.6%
Total Campus	142	10,466	311,202	392,070	37.5	79.4%	29.7	85.0%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Davis

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	6	81	1,192	945	11.7	126.1%	14.7	73.6%
16 - 25	58	1,349	26,154	28,512	21.1	91.7%	19.4	96.9%
26 - 40	25	763	17,150	22,273	29.2	77.0%	22.5	112.4%
41+	4	194	1,920	4,332	22.3	44.3%	9.9	49.5%
Total Campus	93	2,387	46,416	56,062	23.5	82.8%	19.4	97.2%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Irvine

TABLE U-2C: 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	1	12	31	48	4.0	64.6%	2.6	7.4%
16 - 25	10	236	4,780	6,394	27.1	74.8%	20.3	57.9%
26 - 50	85	2,991	60,459	103,407	34.6	58.5%	20.2	57.8%
51 - 100	36	2,568	49,284	92,983	36.2	53.0%	19.2	54.8%
101 - 200	11	1,419	43,746	77,730	54.8	56.3%	30.8	88.1%
201 - 300	4	1,049	34,260	59,664	56.9	57.4%	32.7	93.3%
301+	6	2,271	86,918	138,143	60.8	62.9%	38.3	109.4%
Total Campus	153	10,546	279,477	478,368	45.4	58.4%	26.5	75.7%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Irvine

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	45	834	462	10.3	180.5%	18.5	92.7%
16 - 25	24	533	12,215	16,152	30.3	75.6%	22.9	114.6%
26 - 40	4	120	1,112	1,548	12.9	71.8%	9.3	46.3%
41+	3	140	4,381	9,765	69.8	44.9%	31.3	156.5%
Total Campus	35	838	18,542	27,927	33.3	66.4%	22.1	110.6%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Los Angeles

TABLE U-2C: 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	12	152	1,628	2,756	18.1	59.1%	10.7	30.6%
16 - 25	53	1,095	23,936	31,389	28.7	76.3%	21.9	62.5%
26 - 50	104	3,833	74,612	119,792	31.3	62.3%	19.5	55.6%
51 - 100	50	3,641	64,950	104,911	28.8	61.9%	17.8	51.0%
101 - 200	25	3,484	81,918	116,754	33.5	70.2%	23.5	67.2%
201 - 300	6	1,553	40,021	55,677	35.9	71.9%	25.8	73.6%
301+	6	2,180	54,274	76,291	35.0	71.1%	24.9	71.1%
Total Campus	256	15,938	341,337	507,569	31.8	67.2%	21.4	61.2%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Los Angeles

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	5	55	1,006	1,032	18.8	97.5%	18.3	91.5%
16 - 25	26	565	12,431	12,097	21.4	102.8%	22.0	110.0%
26 - 40	5	167	2,563	3,687	22.1	69.5%	15.3	76.7%
41+	4	233	2,109	5,029	21.6	41.9%	9.0	45.2%
Total Campus	40	1,020	18,109	21,845	21.4	82.9%	17.8	88.8%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Merced

TABLE U-2C: 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	1	12	18	18	1.5	100.0%	1.5	4.3%
16 - 25	13	265	9,685	11,680	44.1	82.9%	36.5	104.4%
26 - 50	13	459	16,117	22,275	48.5	72.4%	35.1	100.3%
51 - 100	3	200	6,977	10,580	52.9	65.9%	34.9	99.7%
101 - 200	3	466	14,756	24,106	51.7	61.2%	31.7	90.5%
201 - 300					0.0	0.0%	0.0	0.0%
301+	1	377	9,929	19,981	53.0	49.7%	26.3	75.2%
Total Campus	34	1,779	57,482	88,640	49.8	64.8%	32.3	92.3%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Merced

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	2	27	202	336	12.4	60.1%	7.5	37.4%
16 - 25	16	353	7,924	9,423	26.7	84.1%	22.4	112.2%
26 - 40	4	121	2902	4002	33.1	72.5%	24.0	119.9%
41+								
Total Campus	22	501	11,028	13,761	27.5	80.1%	22.0	110.1%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Riverside

TABLE U-2C: 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	40	1,056	1,345	33.6	78.5%	26.4	75.4%
16 - 25	5	117	4,438	5,996	51.2	74.0%	37.9	108.4%
26 - 50	47	1,684	55,778	82,651	49.1	67.5%	33.1	94.6%
51 - 100	14	1,049	34,385	46,859	44.7	73.4%	32.8	93.7%
101 - 200	6	797	38,855	40,147	50.4	96.8%	48.8	139.3%
201 - 300	2	588	22,457	30,564	52.0	73.5%	38.2	109.1%
301+	5	1,968	80,856	99,625	50.6	81.2%	41.1	117.4%
Total Campus	82	6,243	237,825	307,187	49.2	77.4%	38.1	108.8%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Riverside

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	3	39	833	615	15.8	135.4%	21.4	106.8%
16 - 25	41	864	25,942	26,193	30.3	99.0%	30.0	150.1%
26 - 40	7	255	4,874	7,755	30.4	62.8%	19.1	95.6%
41+	2	120	3,078	5,450	45.4	56.5%	25.6	128.2%
Total Campus	53	1,278	34,727	40,013	31.3	86.8%	27.2	135.9%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: San Diego

TABLE U-2C: 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	15	221	5,790	7,028	31.8	82.4%	26.2	74.9%
16 - 25	18	372	9,750	13,020	35.0	74.9%	26.2	74.9%
26 - 50	40	1,478	43,054	58,824	39.8	73.2%	29.1	83.2%
51 - 100	19	1,284	28,552	42,629	33.2	67.0%	22.2	63.5%
101 - 200	17	2,697	91,364	123,253	45.7	74.1%	33.9	96.8%
201 - 300	3	809	39,761	48,055	59.4	82.7%	49.1	140.4%
301+	4	1,498	70,247	91,827	61.3	76.5%	46.9	134.0%
Total Campus	116	8,359	288,517	384,636	46.0	75.0%	34.5	98.6%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: San Diego

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	1	15	60	90	6.0	66.7%	4.0	20.0%
16 - 25	41	944	23,133	24,072	25.5	96.1%	24.5	122.5%
26 - 40	4	118	2,378	2,513	21.3	94.6%	20.2	100.8%
41+	3	150	4,049	6,510	43.4	62.2%	27.0	135.0%
Total Campus	49	1,227	29,620	33,185	27.0	89.3%	24.1	120.7%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Santa Barbara

TABLE U-2C: 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	4	54	373	725	13.4	51.4%	6.9	19.7%
16 - 25	30	632	12,750	17,893	28.3	71.3%	20.2	57.6%
26 - 50	59	2,123	50,839	79,382	37.4	64.0%	23.9	68.4%
51 - 100	23	1,723	40,635	61,912	35.9	65.6%	23.6	67.4%
101 - 200	8	1,147	36,068	47,774	41.7	75.5%	31.4	89.8%
201 - 300	2	492	16,958	21,589	43.9	78.5%	34.5	98.5%
301+	2	660	25,604	31,151	47.2	82.2%	38.8	110.8%
Total Campus	128	6,831	183,227	260,426	38.1	70.4%	26.8	76.6%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Santa Barbara

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	7	79	506	601	7.6	84.3%	6.4	32.1%
16 - 25	31	676	14,720	15,735	23.3	93.5%	21.8	108.9%
26 - 40	13	441	7,273	11,031	25.0	65.9%	16.5	82.5%
41+	1	65	2,177	2,431	37.4	89.6%	33.5	167.5%
Total Campus	52	1,261	24,676	29,798	23.6	82.8%	19.6	97.8%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Santa Cruz

TABLE U-2C: 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	30	182	255	8.5	71.4%	6.1	17.3%
16 - 25	29	635	20,785	24,580	38.7	84.6%	32.7	93.5%
26 - 50	30	1,143	42,318	58,293	51.0	72.6%	37.0	105.8%
51 - 100	12	914	26,057	37,695	41.2	69.1%	28.5	81.5%
101 - 200	7	996	37,429	47,848	48.0	78.2%	37.6	107.4%
201 - 300	3	706	27,850	36,745	52.0	75.8%	39.4	112.7%
301+	3	1,155	49,858	156,885	135.8	31.8%	43.2	123.3%
Total Campus	86	5,579	204,479	362,302	64.9	56.4%	36.7	104.7%

UNIVERSITY OF CALIFORNIA
UTILIZATION BY CAMPUS
FALL 2010

Campus: Santa Cruz

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	3	36	668	564	15.7	118.4%	18.6	92.8%
16 - 25	32	646	14,226	14,584	22.6	97.5%	22.0	110.1%
26 - 40	4	134	2,701	3,195	23.8	84.5%	20.2	100.8%
41+								
Total Campus	39	816	17,595	18,343	22.5	95.9%	21.6	107.8%

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 (classrooms and seminar rooms) and Teaching Laboratories in general and professional Instruction & Research programs (coded 1.1 and 1.2).

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 = 120 WSCH in lecture (classroom activity), and 3 x 40 = 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 (WSH). (Weekly scheduled hours x Station Count)

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.