

Santa Barbara City College Space Utilization Analysis

October 2023



Introduction

Santa Barbara City College (SBCC) was established in the fall of 1946 and the 74-acre campus is located on a bluff overlooking Santa Barbara Harbor and the Pacific Ocean. The goal of this space utilization analysis is to determine room usage efficiencies during the semester(s) and analyze possible instructional space excess based on the California Community Colleges Policy on Utilization and Space Standards. The data from this study may also be used for short-term and long-term planning of SBCC's Facilities Master Plan.

This space utilization analysis will look at the number of hours per week each instructional space is scheduled during the Fall semesters of 2022 and 2019. The amount of time a room is scheduled will be compared to the standard amount of time it should be used to meet that standard. Additionally, room use categories (lecture classroom or laboratory classroom) will be compared to the actual scheduled instruction (lecture or lab) to determine the appropriate room use categories based on the California Community College Space Inventory Standards.

Utilization and Space Standards

The California Community Colleges Policy on Utilization and Space Standards has established different standards for utilization of space for the many instructional and administrative activities that take place at a campus. Lecture classroom and seminar room use shall be not less than 48 hours per 70-hour week for a campus of less than 140,000 weekly student contact hours per week, and not less than 53 hours per 70-hour week for a campus with 140,000, or more, weekly student contact hours. Laboratory classroom use shall be not less than 27.5 hours per 70-hour week. Considering SBCC's compressed instructional academic calendar, 60 hours for lecture classroom use and 30 hours for laboratory classroom use will be the standard for the purpose of this analysis.

The following reflects the scheduled hours at SBCC and the Schott Center of lecture classroom and laboratory classroom spaces based on the Fall 2022 and Fall 2019 class schedules and the FUSION database. The FUSION database identifies 110 lecture classrooms and 97 laboratory classrooms for Fall 2022 and 120 lecture classrooms and 92 laboratory classrooms for Fall 2019. Wake Center was not included in this analysis as the space category for a lecture classroom and a laboratory classroom could not be determined based on the provided data.

Fall 2022

SBCC and Schott Center						
Total	Count	Lab Hours	Lecture Hours	Hours/room	Standard	Efficiency
Lecture	78		1466:55	18:56	60:00	31.34%
Laboratory	40	274:15		6:51	30:00	22.85%

During the Fall 2022 semester, SBCC and the Schott Center utilized a total of 78 lecture classrooms and 40 laboratory classrooms. The average lecture classroom utilization is 31.34% to the 60 hours/week standard. On average, an additional 41.52 hours/week could be utilized for

lecture classrooms. The average laboratory classroom hourly utilization is 22.85% to the 30 hours/week standard. On average, an additional 23.49 hours/week could be utilized for laboratory classrooms. The chart below shows a breakdown of Fall 2022 usage by hours for lecture and laboratory classrooms.

Hours	Classroom	Lab
60+	0	
50-59.9	1	
40-49.9	1	
30-39.9/30+	4	5
20-29.9	13	12
10-19.9	33	8
1-9.9	26	15
0	32	57

Fall 2019

SBCC and Schott Center						
Total	Count	Lab Hours	Lecture Hours	Hours/room	Standard	Efficiency
Lecture	98		2951:20	30:06	60:00	50.19%
Laboratory	47	542:50		11:32	30:00	38.50%

During the Fall 2019 semester, SBCC and Schott Center utilized a total of 98 lecture classrooms and 47 laboratory classrooms. The average lecture classroom utilization is 50.19% to the 60 hours/week standard. On average, an additional 29.94 hours/week could be utilized for lecture classrooms. The average laboratory classroom hourly utilization is 38.50% to the 30 hours/week standard. On average, an additional 18.68 hours/week could be utilized for laboratory classrooms. . The chart below shows a breakdown of Fall 2019 usage by hours for lecture and laboratory classrooms.

Hours	Lecture	Lab
60+	1	
50-59.9	1	
40-49.9	6	
30-39.9/30+	29	14
20-29.9	35	12
10-19.9	17	13
1-9.9	9	8
0	22	45

Room Use Categories (Lecture Classroom/Laboratory Classroom)

The California Community College Space Inventory defines a **lecture classroom** as a room used for classes that do not require special purpose equipment for student use, which includes rooms generally used for scheduled instruction requiring no special equipment and referred to as lecture rooms, lecture-demonstration rooms, seminar rooms and general-purpose classrooms. A **laboratory classroom** is defined as a room used primarily by regularly scheduled classes that require special-purpose equipment for student participation, experimentation, observation, or practice in a field of study. This includes rooms generally referred to as teaching laboratories, instructional shops, typing laboratories, drafting rooms, band rooms, choral rooms, (group) music practice rooms, language laboratories, (group) studios and similar specially designed and/or equipped rooms.

During the Fall 2022 and 2019 semesters, a total of 98 lecture classrooms and laboratory classrooms were utilized for both lecture and lab instructions at SBCC and the Schott Center. In Fall 2022, 10 lecture classrooms and 32 laboratory classrooms were identified and in Fall 2019, 15 lecture classrooms and 41 laboratory classrooms were identified. Below is a list of each of these rooms for Fall 2022 and 2019. Wake Center was not included in this analysis as the space category for a lecture classroom and a laboratory classroom could not be determined based on the provided data.

Fall 2022

SBCC and SCHOTT Center	Laboratory Hours	Lecture Hours	Grand Total
Building/Lecture Classroom	44:10	160:45	204:55
Earth and Biological Sciences - EBS309	6:50	46:45	53:35
Humanities Building - H102	4:00	2:15	6:15
MacDougall Admin Center - A161	1:20	14:00	15:20
MacDougall Admin Center - A172	4:30	2:00	6:30
MacDougall Admin Center - A273	4:00	16:35	20:35
Occupational Education Building - OE182	4:00	11:20	15:20
Physical Science Building - PS101	5:20	43:30	48:50
Physical Science Building - PS130	4:00	21:15	25:15
Sports Pavilion - PE101B	4:10	3:05	7:15
West Campus Classroom Building - WCC205	6:00		6:00
Total Lecture Classroom Count = 10			

SBCC and SCHOTT Center	Laboratory Hours	Lecture Hours	Grand Total
Building/Laboratory Classroom	129:55	403:30	533:25
Business/Communication Center – BC302		12:50	12:50
Business/Communication Center – BC314		8:20	8:20
Campus Center – CC108	4:00	16:00	20:00
Drama/Music Complex (W Campus) – DM105	29:05	10:30	39:35
Drama/Music Complex (W Campus) – DM108		8:00	8:00
Drama/Music Complex (W Campus) – DM130	5:20	2:40	8:00
Drama/Music Complex (W Campus) – DM155	4:30	4:30	9:00
Earth and Biological Sciences – EBS201		20:20	20:20
Earth and Biological Sciences – EBS202		6:10	6:10
Earth and Biological Sciences – EBS210	1:10	8:30	9:40
Earth and Biological Sciences – EBS312	9:15	15:25	24:40
Earth and Biological Sciences – EBS313	4:40	27:50	32:30
Humanities Building – H104	6:00	7:50	13:50
Humanities Building – H107	4:35	9:55	14:30
Humanities Building – H244		16:25	16:25
Humanities Building – H245		14:50	14:50
Humanities Building – H328A		4:40	4:40
MacDougall Admin Center – A123	12:35	11:00	23:35
MacDougall Admin Center – A181	6:45	2:40	9:25
MacDougall Admin Center – A236	4:00	2:00	6:00
Occupational Education Building – OE12	3:05	17:25	20:30
Occupational Education Building – OE16	4:00	27:30	31:30
Physical Science Building – PS116	12:15	9:15	21:30
Physical Science Building – PS117		21:05	21:05
Physical Science Building – PS208	15:50	20:35	36:25
Physical Science Building – PS209		24:15	24:15
Physical Science Building – PS214	2:50	20:20	23:10
Schott Campus – SCHOTT06		3:55	3:55
Schott Campus – SCHOTT20		3:55	3:55
Schott Campus – SCHOTT22		1:05	1:05
Schott Campus – SCHOTT23		12:40	12:40
Schott Campus – SCHOTT24		31:05	31:05
Total Laboratory Classroom Count = 32			

Fall 2019

SBCC and SCHOTT CENTER	Laboratory Hours	Lecture Hours	Grand Total
Building/Lecture Classroom	127:55	262:30	390:25
Earth and Biological Sciences - EBS301	10:40	18:00	28:40
Earth and Biological Sciences - EBS309	16:50	16:00	32:50
Humanities Building - H102	4:00	4:20	8:20
MacDougall Admin Center - A161	4:55	30:35	35:30
MacDougall Admin Center - A171	7:35	21:40	29:15
MacDougall Admin Center - A172	14:25	21:45	36:10
MacDougall Admin Center - A180	6:50	2:40	9:30
MacDougall Admin Center - A273	3:00	22:05	25:05
Occupational Education Building - OE182	12:15	13:40	25:55
Physical Science Building - PS101	2:40	28:05	30:45
Physical Science Building - PS128	5:20	17:45	23:05
Physical Science Building - PS130	25:25	11:05	36:30
Sports Pavilion - PE216	2:40	21:00	23:40
West Campus Classroom Building - WCC205	8:40	14:55	23:35
West Campus Classroom Building - WCC302	2:40	18:55	21:35
Total Lecture Classroom Count = 15			

SBCC and SCHOTT CENTER	Laboratory Hours	Lecture Hours	Grand Total
Building/Laboratory Classroom	296:50	551:40	848:30
Business/Communication Center - BC302		41:00	41:00
Business/Communication Center - BC313		14:05	14:05
Business/Communication Center - BC314		29:10	29:10
Campus Center - CC108	8:10	12:00	20:10
Drama/Music Complex (W Campus) - DM105	28:50	6:00	34:50
Drama/Music Complex (W Campus) - DM108		19:30	19:30
Drama/Music Complex (W Campus) - DM109	6:00	8:20	14:20
Drama/Music Complex (W Campus) - DM130		4:30	4:30
Drama/Music Complex (W Campus) - DM155		11:50	11:50
Earth and Biological Sciences - EBS115	11:55	5:20	17:15
Earth and Biological Sciences - EBS201	15:25	8:00	23:25
Earth and Biological Sciences - EBS202	21:35	12:20	33:55
Earth and Biological Sciences - EBS210	15:25	14:55	30:20
Earth and Biological Sciences - EBS312	27:45	6:10	33:55

Earth and Biological Sciences - EBS313	6:10	36:00	42:10
Humanities Building - H104	5:00	5:35	10:35
Humanities Building - H107	6:30	9:10	15:40
Humanities Building - H112		9:00	9:00
Humanities Building - H204		9:00	9:00
Humanities Building - H220	13:30	19:30	33:00
Humanities Building - H221	11:00	4:50	15:50
Humanities Building - H244		14:00	14:00
Humanities Building - H245		42:30	42:30
Humanities Building - H328		3:20	3:20
Humanities Building - H328A		7:00	7:00
MacDougall Admin Center - A123		6:00	6:00
MacDougall Admin Center - A181	12:00	13:40	25:40
MacDougall Admin Center - A236	8:00	8:00	16:00
MacDougall Admin Center - A277		10:45	10:45
Occupational Education Building - OE12	3:05	17:45	20:50
Occupational Education Building - OE16	21:20	6:45	28:05
Occupational Education Building - OE184	14:05	12:40	26:45
Physical Science Building - PS117	26:55	6:05	33:00
Physical Science Building - PS208	19:35	20:45	40:20
Physical Science Building - PS209	3:15	30:40	33:55
Physical Science Building - PS214	11:20	8:50	20:10
Schott Campus - SCHOTT06		11:00	13:00
Schott Campus - SCHOTT20		12:50	25:15
Schott Campus - SCHOTT22		3:20	3:20
Schott Campus - SCHOTT23		16:35	43:45
Schott Campus - SCHOTT24		12:55	54:10
Total Laboratory Classroom Count = 41			

Space Inventory

The Space Inventory FUSION database allows only one designated room use code (i.e., classroom (110), class laboratory (210), office, etc.) per room. The space is coded based on prominent use. The following is a summary of the buildings that were impacted by the 98 lecture classrooms and laboratory classrooms utilized for both lecture and lab instruction in Fall 2022 and Fall 2019.

- Business/Communication Center
- Campus Center
- Drama/Music Complex (W Campus)
- Earth and Biological Sciences
- Humanities
- Interdisciplinary Center
- East Campus Classrooms
- MacDougall Administration Center
- Occupational Education
- Physical Science
- Schott Campus
- Sports Pavilion
- West Campus Classroom