

# Fall 2013 Instructional Space Usage Efficiency

Texas State University

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## EXECUTIVE SUMMARY AND RECOMMENDATIONS

The Fall 2013 Instructional Space Usage Efficiency Report analyzes how well Texas State makes use of designated teaching facilities. Although the primary focus of the report is 1st call classrooms and designated class laboratories, other types of rooms (e.g. conference rooms, meeting rooms and special class laboratories) are also examined. Details presented include hours per week of scheduled instruction, percent of student stations occupied, classrooms in use by time of day and various summary tables. The intent of the report is to comprehensively document actual space use and identify potential areas for improvement.

The CBM011-Facilities Room Inventory Report and the CBM005-Building and Room Report provide the data inputs to calculate space use efficiency. The CBM011 is a listing of rooms that are owned or leased by Texas State and is considered the official inventory of space and space functions by the Texas Higher Education Coordinating Board (Coordinating Board). The CBM005 is generated from the official class schedule (as reported to the Coordinating Board) and provides a listing of courses taught in rooms that are recorded in the CBM011 report. It is important to note that the CBM005 does not include every single course offered but only those courses that are assigned to a specific on-campus room, on definite days, which start at exact times for a specific length of time. For the fall 2013 semester 1541 sections (mostly directed studies, thesis and off-campus sections) that were scheduled in San Marcos or Round Rock did not satisfy the criteria listed above and therefore were not included in the space use efficiency calculations. The CBM011 and CBM005 reports are submitted annually during the fall semester to the Coordinating Board for certification. Additional information about data inputs is available in the Appendix.

The methodology used to calculate space usage efficiency (SUE) was developed by the Coordinating Board in May 2009. It is a multi-measure approach that takes into account three (3) distinct variables. The SUE measures are;

- Facilities Demand - the global appropriateness of the university's roster of classrooms and class laboratories when compared to all scheduled courses that require rooms.
- Current Utilization Rate - average weekly hours of instruction scheduled in classrooms and class laboratories.
- Average Percent Fill - average percent of student stations occupied when a classroom or class laboratory is in use.

Points are awarded based on performance in each of the three variables and converted to a score by multiplying the points by a weighting factor. The scores are then summed to determine classroom or class laboratory Space Use Efficiency scores.

For fall 2013, Texas State earned a perfect SUE score of 200 from the Coordinating Board for classroom and class laboratory usage. In fact, Texas State has earned perfect SUE scores since the Coordinating Board introduced their model in May 2009.

- **Classroom SUE:** In order to attain a perfect score for classroom Facilities Demand an institution must average at least 45.0 hours of instruction per week; Texas State averaged 48 hours. A perfect score for classroom Current Utilization Rate requires an average of 38 or more hours of instruction per week; Texas State's average was 39 hours. A perfect score for classroom Average Percent Fill requires an average of 65% or more seats occupied; Texas State averaged 72%.
- **Class Laboratory SUE:** In order to attain a perfect score for class laboratory Facilities Demand an institution must average at least 35.0 hours of instruction per week; Texas State averaged 52 hours. A perfect score for class laboratory Current Utilization Rate requires an average of 25 hours per week of instruction; Texas State average was 39 hours. A perfect score for class laboratory Average Percent Fill requires an average of 75% or more seats occupied; Texas State averaged 83%.

## RECOMMENDATIONS

The following recommendations are offered to ensure that Texas State continues to meet or exceed the space efficiency benchmarks established by the Coordinating Board.

1. Departments should closely follow the course scheduling rules that are stated by the Office of the Provost. These rules are designed to optimize student access to courses and maximize instructional space utilization rates. Details regarding the scheduling policy are available online at <http://www.provost.txstate.edu/pps/policy-and-procedure-statements/4-teaching/pps4-12.html>.
2. Increase the number of courses offered in classrooms at the Avery Building. On average, 16 hours of instruction were scheduled in each of the 24 classrooms at the Avery Building (22 hours below the Coordinating Board benchmark); the Average Percent Fill is 57% (8 percentage points below the benchmark) and the overall Facilities Demand is 39 hours (6 hours below the benchmark). Go to page 18 for more detailed information.
3. Only schedule courses in meeting rooms or conference rooms as a last resort; 55 course sections (180 instructional hours) were scheduled in conference rooms and 199 course sections (602.6 hours) were scheduled in meeting rooms. While these sections are calculated in the Facilities Demand measure, the Current Utilization Rate could be improved by moving these course sections to classrooms.
4. Departments should increase the number of courses scheduled at 8:00 a.m. and after 5:00 p.m. On average, over 100 classrooms are available on the San Marcos Campus at 8:00 a.m. Monday-Wednesday-Friday and over 60 are available on Tuesday-Thursday. In fact there are classrooms available at 9:00 a.m. and 10:00 a.m. Monday-Wednesday-Friday if 8:00 a.m. times are difficult to make due to student interest. Over 100 classrooms are available starting at 5:00 p.m. Monday-Friday.
5. Departments should pay attention to Average Percent Fill. Anticipated enrollments should be matched to seating capacities as much as possible to avoid falling below the Coordinating Board measure of 65% occupancy. However Texas State improved the 2013 numbers over 2012.
6. Departments should carefully review the Utilization and Percent of Fill data presented in this report. If the data appears to be in error or incomplete, contact Chris Reynolds (cr20 : 5-2244) to initiate a review.

## REVIEWING, COMPARING AND EXAMINING THE DATA

Table 1 reflects the base numbers used for the SUE calculations for fall 2013 and compares those numbers to the fall 2012 semester. As reported and certified in the CBM005, 15,817 instructional hours (5051 sections) were scheduled during the fall 2013 semester. When compared with fall 2012, the total number of courses offered at Texas State increased by 325 sections and total instructional hours offered increased by 1050 hours. Classroom use increased by 207 sections and 573 hours and class laboratory use increased by 81 sections and 281 hours. Sections taught in rooms not designated as classrooms or class laboratories increased by 38 sections and 196 hours. In addition, stacked courses increased by 74 sections and 244 hours.

**Table 1: Instructional Hours and Sections, Fall 2013 and Fall 2012**

	Fall 2013 Scheduled Hours	Sections 2013	Fall 2012 Scheduled Hours	Sections 2012	2012 to 2011 Comparison
Total instructional hours (CBM005)	15,817	5051	14,767	4726	+1050 hours +325 section
Instructional hours offered in 217 classrooms	9057	3030	8484	2823	+573 hours +207 sections
Instructional hours offered in 103 class labs	4359	1241	4078	1160	+281 hours +81 sections
Instructional hours offered in rooms not designated as classrooms or class labs	2401	781	2205	743	+196 hours +38 sections
Stacked Hours	1405	410	1161	336	+244 hours +74 sections
Sections scheduled but not included in SUE calculations	-	1541	-	1690	-149 sections

## SPACE USAGE EFFICIENCY MEASUREMENTS

The Fall 2013 Space Usage Efficiency Report released by the Coordinating Board shows that Texas State University achieved an overall score of 200, the highest possible score. The only other university to earn a perfect score was UT-Dallas.

**Facilities Demand** defines the global appropriateness of the teaching facilities compared to the academic activities that require rooms. It connects supply (number of classrooms or class labs) with demand (number of academic activities scheduled that require rooms). To calculate the demand measure, the total hours of classroom-type activity taught anywhere on campus (not just classrooms) is divided by the total number of classrooms. The same process is used for the lab activities. The benchmark to receive the maximum points for this variable is to average 45 hours and above per week for classroom activity and 35 hours and above per week for class laboratory activity.

Table 2 on the next page shows the scoring and weight of the Facilities Demand variable as defined by the Coordinating Board. Texas State's hours per week (HPW) for classrooms was 48 (3 hour above the benchmark for maximum points) and the hours per week for class labs was 52 (17 hours above the benchmark for maximum points). The result for Texas State was a perfect score of 36 in both categories. For comparison purposes, in 2012 Texas State averaged 46 hours for Classroom Facilities Demand and 48 hours in Class Laboratory Facilities Demand. Specific calculations are explained in the Appendix.

**Table 2: Facilities Demand Scoring**

Facilities Demand					
Classroom (TXST Hours Per Week =48)			Class Laboratory (TXST Hours Per Week = 52)		
Hours Per Week	Points	Score (weight =9)	Hours Per Week	Points	Score (weight =9)
45.0 and above	4	36	35.0 and above	4	36
38.0-44.9	3	27	30.0-34.9	3	27
31.0-37.9	2	18	25.0-29.9	2	18
Below 31.0	1	9	Below 25.0	1	9

**Utilization** counts course sections taught in classrooms and class laboratories (stacked hours are excluded); the total number of weekly minutes taught in rooms coded as 110-Classrooms and 210-Class Laboratories is divided by 50 (number of minutes in an hour accounting for passing and room transition time); and then divided by the number of classrooms or class laboratories in the facilities inventory. The Coordinating Board’s utilization benchmarks are 38 hours and above of scheduled instruction per week for classrooms and 25 hours and above of scheduled instruction per week for class labs.

Table 3 shows the scoring and weight of the Utilization variable as defined by the Coordinating Board. Texas State’s average hours per week of instruction for classrooms was 39 hours (1 hour above the benchmark for maximum points) and the average hours per week of instruction for class labs was 39 hours (14 hours above the benchmark for maximum points). The result for Texas State was a perfect score of 32 in both categories. For comparison purposes, in 2012 Texas State averaged 38 hours for Classroom Utilization and 36 hours for Class Laboratory Utilization. Specific calculations are explained in the Appendix.

**Table 3: Utilization Rate Scoring**

Utilization Rates					
Classroom (TXST Hours Per Week = 39)			Class Laboratory (TXST Hours Per Week = 39)		
Hours Per Week	Points	Score (weight =8)	Hours Per Week	Points	Score (weight =8)
38.0 and above	4	32	25.0 and above	4	32
34.0-37.9	3	24	20.0-24.9	3	24
30.0-33.9	2	16	15.0-19.9	2	16
Below 30	1	8	Below 15	1	8

Tables 4 and 5 provide a five-year history of Texas State’s utilization rates with and without RRHEC for classrooms and class laboratories.

**Table 4: Classroom Utilization (2009-2013)**

Fall Semester	Number of Designated Classrooms	Average (50 Min) Hours Per Classroom	% Of CB Utilization Standard	San Marcos Campus Classrooms (without RRHEC)	San Marcos Campus Average Hours Per Classroom (without RRHEC)	% Of CB Utilization Standard (without RRHEC)
2013	217	39.3	104	193	42.3	111
2012	214	38.1	100	189	45.6	119
2011	198	41.8	110	181	44.4	116
2010	183	40.9	108	167	43.1	113
2009	182	40.6	106	166	42.5	111

**Table 5: Class Laboratory Utilization (2009-2013)**

Fall Semester	Number of Designated Class Labs	Average (50 Min) Hours Per Class Lab	% Of CB Utilization Standard
2013	103	39.1	156
2012	101	35.9	144
2011	72	39.4	158
2010	70	38.4	154
2009	64	35.3	141

**Average Percent Fill** assesses the number of seats in a classroom or class laboratory that are occupied when the rooms are in use. The Coordinating Board added this variable to the SUE Model in order to determine the appropriateness of use, the need for additional facilities, and opportunities for optimization. Average Percent Fill is computed by determining a student station occupancy rate (SSO) for each course period that is scheduled in a classroom or a class laboratory. For stacked courses, a sum of enrollments is used to generate a single enrollment number; SSO is a percentage equal to the sum of enrollment divided by available seats. The course period SSO percentage is rounded to the nearest hundredth and multiplied by the number of times the course meets each week. Stacked courses are combined to generate a single occurrence. The products of the SSO multiplied by occurrences are totaled by space use (i.e. classroom or class laboratory) and divided by the total number of occurrences in each type of room. The Average Percent Fill benchmarks set by the Coordinating Board are 65% and above for classrooms and 75% and above for class laboratories.

Table 6 shows the scoring and weight of the Average Percent Fill variable as defined by the Coordinating Board. Texas State’s Average Percent Fill for classrooms is 72% (7 percentage points above the benchmark for maximum points) and 83% for class laboratories (8 percentage points above the benchmark for maximum points). The result for Texas State was a perfect score of 32 in both categories. For comparison purposes, in 2012 Texas State’s Average Percent Fill for classrooms was 69% and the Average Percent Fill for class laboratories was 77%. Specific calculations are explained in the Appendix.

**Table 6: Average Percent Fill Scoring**

Average Percent Fill					
Classroom (TXST Average Percent Fill = 72%)			Class Laboratory (TXST Average Percent Fill = 83%)		
Percent of Seats	Points	Score (weight =8)	Percent of Seats	Points	Score (weight =8)
65% and above	4	32	75% and above	4	32
55.0%-64.9%	3	24	65.0% -74.9%	3	24
45.0%-54.9%	2	16	55.0%-64.9%	2	16
Below 45%	1	8	Below 55.0%	1	8



**Table 7: Distribution of Course Sections, Average Weekly Instructional Hours and Average Percent Fill by Classroom Seating Capacity**

SEATS	CLASSROOMS	SECTIONS	AVERAGE WEEKLY INSTRUCTIONAL HOURS (Benchmark is 38 weekly hours)	PERCENT FILL (Benchmark is 65%)
25 or less	32	419	38.5	79%
26 - 50	115	1576	37.6	64%
51 - 75	26	391	43.5	56%
76 - 100	15	228	41.5	52%
101 - 125	13	178	40.0	66%
126 - 150	6	87	44.8	68%
151 - 175	2	28	43.4	75%
176 - 200	1	13	41.6	79%
Over 200	7	110	44.5	81%

For fall 2013, classrooms with 26 to 50 seats fell below the Coordinating Board benchmark for utilization of 38 average weekly hours of instruction. Classrooms with 26 to 100 seats, fell below the Coordinating Board benchmark of 65% for Average Percent Fill.

### **CLASSROOM UTILIZATION AND AVERAGE PERCENT FILL**

A classroom is defined by the Coordinating Board as a room “used for scheduled instruction referred to as lecture rooms, demonstration rooms, seminar rooms, and general-purpose classrooms. Classrooms can be equipped with tablet armchairs, tables and chairs (as in a seminar room), or similar types of seating. They also can be furnished with special equipment, including multimedia or telecommunications equipment, appropriate to a specific area of study if the room is suitable for use by other classes.

In fall 2012 there were 214 classrooms on inventory. The following space use changes were made for fall 2013. The net result is 217 classrooms.

- Rooms removed from the inventory of classrooms:
  - Avery Building, room 454 was reclassified to a reading/study room
  - Avery Building, room 220 was reclassified to a meeting room
  - College of Education, room 4061 was reclassified to a meeting room
  
- Rooms added to the inventory of classrooms:
  - Avery Building, room 455 was reclassified (previously classified as a meeting room)
  - Freeman Aquatic Biology 102 was reclassified (previously classified as a meeting room)
  - Flowers Hall, rooms G05 and G06-C were remodeled to classrooms (previously classified as office space)
  - Academic Services Building North, rooms 407 & 408 were reclassified (previously classified as meeting rooms)

Table 8 on the next page provides the number of sections (SECTS), instructional hours per week (HRS), utilization rate (UTIL%), seating capacity (SEATS), Average Percent Fill (PF) and 1st call department for each designated classroom listed in the facilities inventory for fall 2013. Summary tables for the Round Rock Campus, for Teaching Theatres, and by building follow.

**Table 8: Classroom Utilization Rate and Average Percent Fill by Building and Room**

BUILDING	ROOM	SECTS	HRS	UTIL%	SEATS	PF	1ST CALL
Academic Services Building North	150	13	32.8	86	110	79	Curriculum/Instructn
Academic Services Building North	407	8	24.4	64	20	52	Curriculum/Instructn
Academic Services Building North	408	11	36.4	96	20	89	Curriculum/Instructn
Academic Services Building South	112	35	37.4	98	22	90	University College
Academic Services Building South	315	15	47.2	124	250	81	Biology
Agriculture	202	17	50.8	134	48	62	Agriculture
Agriculture	204	17	39.0	103	108	50	Agriculture
Alkek Library	250	15	40.8	107	386	80	Registrars
Avery Building	123	6	20.4	54	33	54	RRC
Avery Building	124	7	23.8	63	30	52	RRC
Avery Building	204	5	17.0	45	36	46	RRC
Avery Building	308	5	17.0	45	36	60	RRC
Avery Building	312	5	13.8	36	31	53	RRC
Avery Building	313	4	13.2	35	28	74	RRC
Avery Building	318	6	20.4	54	36	69	RRC
Avery Building	357	5	13.6	36	30	78	RRC
Avery Building	358	6	21.4	56	32	56	RRC
Avery Building	362	5	17.0	45	32	63	RRC
Avery Building	363	6	16.8	44	36	58	RRC
Avery Building	364	7	20.0	53	27	60	RRC
Avery Building	366	6	16.8	44	28	46	RRC
Avery Building	368	5	13.6	36	35	46	RRC
Avery Building	403	3	10.2	27	48	60	RRC
Avery Building	404	4	13.6	36	48	33	RRC
Avery Building	405	6	20.0	53	48	70	RRC
Avery Building	406	4	13.6	36	48	58	RRC
Avery Building	408	4	13.6	36	48	65	RRC
Avery Building	414	3	10.2	27	31	37	RRC
Avery Building	420	4	13.6	36	32	48	RRC
Avery Building	451	4	13.6	36	40	54	RRC
Avery Building	453	4	13.6	36	46	57	RRC
Avery Building	455	5	13.6	36	48	59	RRC
Centennial Hall	100	13	40.8	107	32	76	Modern Languages
Centennial Hall	101	16	47.6	125	32	73	Modern Languages
Centennial Hall	102	24	52.4	138	33	100	Comm Studies
Centennial Hall	103	24	57.2	151	42	87	Comm Studies
Centennial Hall	106	16	47.4	125	30	77	Modern Languages
Centennial Hall	157	17	47.2	124	387	66	Registrars
Centennial Hall	215	14	44.0	116	38	56	Modern Languages
Centennial Hall	217	15	43.2	114	35	61	Modern Languages

BUILDING	ROOM	SECTS	HRS	UTIL%	SEATS	PF	1ST CALL
Centennial Hall	218	16	44.6	117	30	83	Modern Languages
Centennial Hall	221	10	33.6	88	18	87	Modern Languages
Centennial Hall	318	24	49.4	130	36	100	Comm Studies
Centennial Hall	400	24	51.6	136	30	100	Comm Studies
Centennial Hall	402	21	48.4	127	30	100	Comm Studies
Centennial Hall	410	27	54.4	143	31	100	Comm Studies
Centennial Hall	G01	15	47.2	124	103	51	Chem/Biochemistry
Chemistry	100	13	40.8	107	115	78	Chem/Biochemistry
Chemistry	105	12	37.6	99	30	64	Chem/Biochemistry
College of Education	1007	10	32.2	85	107	74	Curriculum/Instructn
College of Education	2127	14	50.2	132	48	51	Curriculum/Instructn
College of Education	2128	14	45.4	119	48	61	Curriculum/Instructn
College of Education	3038	15	48.2	127	40	60	Curriculum/Instructn
College of Education	3039	21	48.8	128	32	91	Curriculum/Instructn
College of Education	3041	17	51.4	135	33	81	Curriculum/Instructn
College of Education	3066	12	49.2	129	40	49	Curriculum/Instructn
College of Education	3068	13	35.8	94	28	61	Curriculum/Instructn
College of Education	3069	20	41.4	109	26	71	Curriculum/Instructn
College of Education	4005	19	47.8	126	39	79	CLAS
College of Education	4007	19	44.6	117	40	53	CLAS
College of Education	4008	17	47.8	126	40	74	CLAS
College of Education	4009	15	44.2	116	34	83	CLAS
College of Education	4039	14	46.4	122	26	56	CLAS
Derrick Hall	113	15	47.2	124	169	61	Sociology
Derrick Hall	118	14	44.2	116	25	88	Modern Languages
Derrick Hall	119	12	37.8	99	25	85	Modern Languages
Derrick Hall	120	12	38.0	100	29	85	Mathematics
Derrick Hall	121	14	38.8	102	34	89	Mathematics
Derrick Hall	227	18	42.8	113	79	44	Philosophy
Derrick Hall	229	11	32.6	86	40	94	Psychology
Derrick Hall	230	34	34.0	89	30	66	University College
Derrick Hall	234	16	48.2	127	70	52	Philosophy
Derrick Hall	235	13	37.4	98	38	100	Computer Science
Derrick Hall	237	17	50.6	133	40	81	Mathematics
Derrick Hall	238	13	41.0	108	48	93	Mathematics
Derrick Hall	239	35	35.0	92	30	100	University College
Derrick Hall	240	14	44.0	116	49	78	Computer Science
Derrick Hall	241	16	47.8	126	44	83	Computer Science
Derrick Hall	326	15	44.0	116	49	82	Mathematics
Derrick Hall	327	16	39.8	105	33	100	Mathematics
Derrick Hall	328	18	47.4	125	49	63	Mathematics
Derrick Hall	329	13	30.6	81	94	64	Sociology

BUILDING	ROOM	SECTS	HRS	UTIL%	SEATS	PF	1ST CALL
Derrick Hall	330	17	47.4	125	49	78	Mathematics
Derrick Hall	331	18	57.0	150	49	65	Mathematics
Derrick Hall	332	14	44.2	116	45	83	Mathematics
Derrick Hall	333	17	47.2	124	49	77	Mathematics
Derrick Hall	334	17	50.4	133	49	71	Mathematics
Derrick Hall	336	15	48.4	127	49	80	Mathematics
Emmett & Miriam McCoy Hall	105	15	42.0	111	48	74	Coll Business Admin
Emmett & Miriam McCoy Hall	111	16	51.8	136	58	72	Coll Business Admin
Emmett & Miriam McCoy Hall	113	16	48.4	127	58	48	Coll Business Admin
Emmett & Miriam McCoy Hall	119	16	43.0	113	250	79	Coll Business Admin
Emmett & Miriam McCoy Hall	124	13	42.0	111	60	86	Coll Business Admin
Emmett & Miriam McCoy Hall	125	14	45.0	118	60	57	Coll Business Admin
Emmett & Miriam McCoy Hall	126	14	45.6	120	98	65	Coll Business Admin
Emmett & Miriam McCoy Hall	127	13	41.6	109	98	99	Coll Business Admin
Emmett & Miriam McCoy Hall	222	17	44.0	116	42	68	Coll Business Admin
Emmett & Miriam McCoy Hall	223	14	44.8	118	42	83	Coll Business Admin
Emmett & Miriam McCoy Hall	224	14	45.4	119	42	60	Coll Business Admin
Emmett & Miriam McCoy Hall	225	13	39.8	105	42	70	Coll Business Admin
Emmett & Miriam McCoy Hall	233	13	39.6	104	155	88	Coll Business Admin
Emmett & Miriam McCoy Hall	240	15	47.8	126	55	90	Coll Business Admin
Emmett & Miriam McCoy Hall	241	10	32.2	85	55	86	Coll Business Admin
Emmett & Miriam McCoy Hall	242	13	41.2	108	94	63	Coll Business Admin
Emmett & Miriam McCoy Hall	243	16	48.4	127	88	56	Coll Business Admin
Emmett & Miriam McCoy Hall	333	17	47.0	124	36	68	Coll Business Admin
Emmett & Miriam McCoy Hall	335	15	48.2	127	36	78	Coll Business Admin
Emmett & Miriam McCoy Hall	337	12	38.6	102	42	83	Coll Business Admin
Evans Liberal Arts	114	15	44.2	116	128	57	Anthropology
Evans Liberal Arts	116	14	44.2	116	131	61	Geography
Evans Liberal Arts	118	13	41.4	109	129	56	Psychology
Evans Liberal Arts	218	23	29.6	78	78	25	Political Science
Evans Liberal Arts	220	18	35.2	93	35	91	Anthropology
Evans Liberal Arts	222	11	37.0	97	40	54	Psychology
Evans Liberal Arts	225	13	31.6	83	80	37	Anthropology
Evans Liberal Arts	229	12	37.8	99	49	64	Anthropology
Evans Liberal Arts	311	18	50.8	134	61	71	Geography
Evans Liberal Arts	312	15	34.0	89	36	67	Geography
Evans Liberal Arts	315	13	35.6	94	25	79	Geography
Evans Liberal Arts	316	20	49.8	131	63	54	Geography
Family & Consumer Sciences	135	13	40.0	105	84	77	Family/Consumer Sci
Family & Consumer Sciences	158	16	39.6	104	116	82	Family/Consumer Sci
Family & Consumer Sciences	182	13	39.0	103	30	66	Family/Consumer Sci
Family & Consumer Sciences	188	18	45.6	120	60	60	Family/Consumer Sci

BUILDING	ROOM	SECTS	HRS	UTIL%	SEATS	PF	1ST CALL
Family & Consumer Sciences	189	15	41.4	109	60	82	Family/Consumer Sci
Flowers Hall	107	14	44.4	117	25	94	English
Flowers Hall	111	14	37.8	99	25	95	English
Flowers Hall	112	14	44.4	117	25	89	English
Flowers Hall	113	12	37.8	99	64	88	English
Flowers Hall	127	16	51.2	135	25	78	English
Flowers Hall	129	12	37.6	99	25	82	English
Flowers Hall	130	14	41.0	108	64	31	English
Flowers Hall	224	12	37.8	99	25	81	English
Flowers Hall	225	11	34.6	91	25	79	English
Flowers Hall	226	14	44.4	117	25	79	English
Flowers Hall	227	13	41.2	108	25	73	English
Flowers Hall	228	14	44.2	116	25	83	English
Flowers Hall	229	12	38.0	100	64	42	English
Flowers Hall	252	13	41.6	109	25	91	English
Flowers Hall	254	12	37.8	99	25	79	English
Flowers Hall	255	14	44.4	117	25	99	English
Flowers Hall	256	14	44.0	116	25	95	English
Flowers Hall	341	14	44.2	116	205	93	English
Flowers Hall	G05	12	38.0	100	25	82	English
Flowers Hall	G06C	11	35.0	92	25	78	English
Flowers Hall	G12	10	31.8	84	24	91	English
Freeman Aquatic Biology	102	16	37.2	98	60	57	Biology
Health Professions	141	16	43.0	113	36	57	Coll/Health Prof
Health Professions	143	22	58.2	153	56	78	Coll/Health Prof
Health Professions	213	14	46.6	123	49	64	School/Social Work
Health Professions	214	12	39.2	103	49	65	School/Social Work
Health Professions	216	14	44.8	118	30	66	Coll/Health Prof
Health Professions	217	11	30.2	79	30	68	Coll/Health Prof
Health Professions	230	21	45.2	119	69	77	Coll/Health Prof
Health Professions	233	13	39.2	103	48	62	Coll/Health Prof
Hines Academic Center	201	16	48.0	126	62	56	Registrars
Hines Academic Center	202	11	33.0	87	62	45	Registrars
Hines Academic Center	203	15	48.0	126	60	64	Criminal Justice
Hines Academic Center	204	13	39.4	104	132	73	Sch. of Journalism
Hines Academic Center	205	17	52.6	138	128	62	Criminal Justice
Hines Academic Center	206	16	47.6	125	92	61	Criminal Justice
Hines Academic Center	207	15	44.4	117	84	42	Criminal Justice
Jerome & Catherine Supple Science	112	13	40.0	105	117	77	Physics
Jerome & Catherine Supple Science	116	20	48.4	127	222	68	Biology
Jerome & Catherine Supple Science	153-A	16	32.6	86	38	64	Biology
Jerome & Catherine Supple Science	257-A	11	34.2	90	52	64	Biology

BUILDING	ROOM	SECTS	HRS	UTIL%	SEATS	PF	1ST CALL
Joann Cole Mitte	2118	9	29.2	77	22	72	School Art & Design
Joann Cole Mitte	2121	13	41.6	109	190	77	School Art & Design
Joann Cole Mitte	4113	7	42.4	112	22	87	School Art & Design
Joann Cole Mitte	4127	8	44.2	116	20	89	School Art & Design
Joann Cole Mitte	4127-A	7	45.6	120	20	98	School Art & Design
Jowers Center	A202	15	47.2	124	63	61	Health/Human Perf
Jowers Center	A203	13	37.0	97	49	57	Health/Human Perf
Jowers Center	A204	10	28.6	75	49	68	Health/Human Perf
Jowers Center	A205	16	45.8	121	49	72	Health/Human Perf
Jowers Center	A206	14	31.6	83	49	47	Health/Human Perf
Jowers Center	A207	19	52.8	139	56	51	Health/Human Perf
Jowers Center	A209	18	46.4	122	89	66	Health/Human Perf
Jowers Center	A210	13	42.0	111	49	69	Health/Human Perf
Jowers Center	A211	12	34.6	91	70	73	Health/Human Perf
Lampasas	502-B	11	30.8	81	19	83	Honors College
LBJ Student Center	4-16.1	13	41.0	108	398	93	Registrars
Music	122	17	40.2	106	28	64	Music
Music	123	15	33.8	89	23	90	Music
Music	124	24	53.4	141	28	65	Music
Music	125	14	42.2	111	40	50	Music
Music	214	11	32.4	85	62	45	Music
Old Main	201	12	27.0	71	49	48	Sch. of Journalism
Old Main	232	12	41.8	110	49	47	Sch. of Journalism
Old Main	234	14	39.2	103	77	64	Sch. of Journalism
Pedernales	114	9	21.8	57	32	80	Occupational Educ
Roy F. Mitte	3224	15	45.2	119	107	55	Engineering Technol
Roy F. Mitte	3241	10	31.6	83	105	56	Engineering Technol
Roy F. Mitte	4233	16	41.6	109	42	54	Engineering Technol
Roy F. Mitte	5242	13	39.6	104	60	57	Engineering
Sabinal	101	4	24.0	63	25	63	School Art & Design
Taylor-Murphy History	101	16	51.6	136	120	48	History
Taylor-Murphy History	104	10	32.0	84	120	48	History
Taylor-Murphy History	106	18	57.8	152	40	66	History
Taylor-Murphy History	110	18	53.6	141	35	66	History
Taylor-Murphy History	201	16	49.2	129	40	60	History
Theatre Center	201	9	29.0	76	30	60	Theatre
Undergraduate Academic Center	105	15	47.2	124	150	94	Political Science
Undergraduate Academic Center	205	18	51.0	134	32	94	Psychology
Undergraduate Academic Center	208	15	48.0	126	102	92	Psychology
Undergraduate Academic Center	209	15	40.6	107	102	86	Sociology
Undergraduate Academic Center	305	15	47.6	125	32	69	Political Science
Undergraduate Academic Center	306	15	46.6	123	32	58	Political Science

BUILDING	ROOM	SECTS	HRS	UTIL%	SEATS	PF	1ST CALL
Undergraduate Academic Center	308	16	51.0	134	80	38	Political Science
Undergraduate Academic Center	309	11	35.8	94	32	62	Political Science
Undergraduate Academic Center	310	13	41.8	110	80	29	Political Science
Undergraduate Academic Center	405	34	41.2	108	20	96	Sociology
Undergraduate Academic Center	406	19	55.6	146	48	67	Political Science
Undergraduate Academic Center	408	12	33.8	89	48	91	Psychology
Undergraduate Academic Center	409	23	42.8	113	48	75	Sociology
Undergraduate Academic Center	410	15	41.4	109	32	80	Sociology
Undergraduate Academic Center	411	17	42.4	112	48	83	Sociology

Table 8 Summary:

- 142 of 217 of classrooms (65%) were scheduled with 38.0 or more hours per week of instruction (average 45 hours per week). The Average Percent Fill (PF) for these 142 classrooms is 72%;
- 25 of 217 classrooms (12%) were scheduled with 34.0 to 37.9 hours per week of instruction (average 36 hours per week). The Average Percent Fill (PF) for these 25 classrooms is 76%;
- 18 of 217 classrooms (8%) were scheduled with 30.0 to 33.9 hours per week of instruction (average 32 hours per week). The Average Percent Fill (PF) for these 18 classrooms is 69%;
- 32 of 217 (15%) had less than 30 hours per week of instruction (average 18 hours per week). The Average Percent Fill (PF) for these 32 classrooms is 57%.

Table 9: Classroom Utilization by Building

BUILDING	CLASSROOMS	SECTIONS	HOURS	AVERAGE HOURS	UTIL	PF
Academic Services Building North	3	32	93.58	31.2	82	73
Academic Services Building South	2	50	84.6	42.3	111	86
Agriculture	2	34	89.8	44.9	118	56
Alkek Library	1	15	40.8	40.8	107	80
Avery Building	24	119	380.4	15.9	42	57
Centennial Hall	15	276	709	47.3	124	81
Chemistry	2	25	78.4	39.2	103	71
College of Education	14	220	633.36	45.2	119	67
Derrick Hall	25	414	1075.8	43.0	113	78
Emmett & Miriam McCoy Hall	20	286	876.4	43.8	115	74
Evans Liberal Arts	12	185	471.2	39.3	103	60
Family & Consumer Sciences	5	75	205.6	41.1	108	73
Flowers Hall	21	272	851.2	40.5	107	81
Freeman Aquatic Biology	1	16	37.2	37.2	98	57
Health Professions	8	123	346.4	43.3	114	67
Hines Academic Center	7	103	313	44.7	118	58
Jerome & Catherine Supple Science	4	60	155.2	38.8	102	68
Joann Cole Mitte	5	44	203	40.6	107	85
Jowers Center	9	130	366	40.7	107	63
Lampasas	1	11	30.8	30.8	81	83
LBJ Student Center	1	13	41	41.0	108	93
Music	5	81	202	40.4	106	63

BUILDING	CLASSROOMS	SECTIONS	HOURS	AVERAGE HOURS	UTIL	PF
Old Main	3	38	108	36.0	95	53
Pedernales	1	9	21.8	21.8	57	80
Roy F. Mitte	4	54	158	39.5	104	56
Sabinal	1	4	24	24.0	63	63
Taylor-Murphy History	5	78	244.2	48.8	129	58
Theatre Center	1	9	29	29.0	76	60
Undergraduate Academic Center	15	253	666.8	44.5	117	74

For the most part, departments are teaching in their “home” buildings and/or their own 1<sup>st</sup> call classrooms. However, as shown below in Table 10, 368 course sections are taught outside of home buildings.

**Table 10: Classrooms Used Outside Department Home Buildings**

DEPARTMENT	CLASSROOMS USED OUTSIDE HOME BUILDING	SECTIONS OUTSIDE HOME BUILDING
Philosophy	38	84
Communications	35	88
Modern Languages	19	21
Mathematics	16	22
University Seminar	15	61
Mass Communications	7	13
CLAS	5	7
Social Work	5	6
Chemistry	4	5
Political Science	4	4
Sociology	3	7
HHP	3	6
Family and Consumer Sciences	3	4
Healthcare Administration	3	4
Criminal Justice	3	3
Education	2	3
Music	2	3
History	2	3
Women's Studies	2	2
Military Science	2	2
General Studies	2	2
MSEC	2	2
Physical Therapy	1	3
Curriculum & Instruction	1	2
Communication Disorders	1	2
Physics	1	2
Aerospace Studies	1	1
Anthropology	1	1
Theatre	1	1



<b>DEPARTMENT</b>	<b>CLASSROOMS USED OUTSIDE HOME BUILDING</b>	<b>SECTIONS OUTSIDE HOME BUILDING</b>
<b>Marketing</b>	1	1
<b>Occupational Education</b>	1	1
<b>Accounting</b>	1	1
<b>Computer Information Systems</b>	1	1

## TEACHING THEATRE UTILIZATION AND AVERAGE PERCENT FILL

The three teaching theatres, Alkek Library 250, Centennial 157 and LBJ Student Center 4-16.1 are scheduled by the Registrar's Office. Eleven (11) academic departments taught 43 course sections in the 3 theatres: Political Science (8), Mass Communication (8), Math (7), Psychology (5), English (4), History (3), Philosophy (2), Biology (2), Anthropology (2), Theatre (1), and Chemistry (1). The combined average weekly hours of instruction for the 3 theatres were 43 hours or 113% of the Coordinating Board Utilization benchmark. The Average Percent Fill (PF) for the 3 teaching theatres is 79.6%.

**Table 11: Teaching Theatre Schedules**

Alkek Library 250: 15 Sections, 40.8 Hours, 107 % of CB Benchmark, Seats 386, PF 80%

	MONDAY	WEDNESDAY	FRIDAY		TUESDAY	THURSDAY
8:00 am	MATH 1315	MATH 1315	MATH 1315		8:00 am	HIST 1320
9:00 am	MATH 1311	MATH 1311	MATH 1311		9:30 am	PHIL 1305
10:00 am	PSY 1300	PSY 1300	PSY 1300			
11:00 am	POSI 2310	POSI 2310	POSI 2310		11:00 am	BIO 1320
12:30 pm	MATH 1315	MATH 1315			12:30 pm	TH 2313
2:00 pm	ENG 2310	ENG 2310			2:00 pm	MATH 1315
3:30 pm	MC 4382	MC 4382			3:30 pm	HIST 1310

Centennial Hall 157: 17 Sections, 47.2 Hours, 124% of CB Benchmark, Seats 387, PF 66%

	MONDAY	WEDNESDAY	FRIDAY		TUESDAY	THURSDAY
8:00 am	ENG 2310	ENG 2310	ENG 2310		8:00 am	MC 1301
9:00 am	COMM 1310	COMM 1310	COMM 1310		9:30 am	COMM 1310
10:00 am	PSY 3300	PSY 3300	PSY 3300			
11:00 am	COMM 1310	COMM 1310	COMM 1310		11:00 am	PSY 1300
12:30 pm	POSI 2320	POSI 2320			12:30 pm	COMM 1310
2:00 pm	ENG 2360	ENG 2360			2:00 pm	PSY 2311
3:30 pm	POSI 2310	POSI 2310			3:30 pm	MC 3367
5:00 pm	CHEM 1341	CHEM 1341			5:00 pm	POSI 2310

LBJ Student Center 4-16.1: 13 Sections, 41.0 Hours, 108% of CB Benchmark, Seats 398, PF 93%

	MONDAY	WEDNESDAY	FRIDAY		TUESDAY	THURSDAY
8:00 am	PSY 1300	PSY 1300	PSY 1300		8:00 am	POSI 2310
9:00 am	POSI 2310	POSI 2310	POSI 2310		9:30 am	ANTH 1312
10:00 am	POSI 2310	POSI 2310	POSI 2310			
11:00 am	PHIL 1320	PHIL 1320			11:00 am	ANTH 1312
12:30 pm	ENG 2320	ENG 2320			12:30 pm	MATH 1315
2:00 pm	MC 3343	MC 3343			2:00 pm	POSI 2310
3:30 pm	HIST 1320	HIST 1320			3:30 pm	BIO 1421

## UTILIZATION OF CLASSROOMS AT THE ROUND ROCK CAMPUS

As reported in the CBM005 report for fall 2013, 530 weekly hours of instruction (151 course sections) were scheduled at the Round Rock campus. Specifically, 500 weekly hours of instruction (143 course sections) were scheduled in the Avery building and 31 weekly hours of instruction (8 course sections) were scheduled in the School of Nursing building. After deducting instructional hours for “stacked” sections, 463 weekly hours of instruction were scheduled in the Avery building. There were no stacked courses in the School of Nursing.

**Avery Building-** there were 380 weekly hours instruction (119 course sections) scheduled in 24 classrooms in the Avery building as reflected in Table 12. On average, 16 hours of instruction were scheduled in each classroom and 6 of the classrooms were in use 50% or more of the Coordinating Board’s maximum benchmark of 38 hours of instruction per week. The Average Percent Fill (i.e. the number of seats occupied) is 57%. This is 8 percentage points below the Coordinating Boards benchmark for maximum points. The Facilities Demand (i.e. global appropriateness of the teaching facilities when compared to the academic activities that require rooms) is 39 average hours (6 hours below the benchmark for maximum points). There are no designated class laboratories in the Avery building to be factored into the SUE Model.

**Table 12: Avery Building Classroom Utilization and Percent of Fill**

ROOM	SECTS	HRS	UTIL%	SEATS	PF
123	6	20.4	53.7	33	54
124	7	23.8	62.6	30	52
204	5	17	44.7	36	46
308	5	17	44.7	36	60
312	5	13.8	36.3	31	53
313	4	13.2	34.7	28	74
318	6	20.4	53.7	36	69
357	5	13.6	35.8	30	78
358	6	21.4	56.3	32	56
362	5	17	44.7	32	63
363	6	16.8	44.2	36	58
364	7	20	52.6	27	60
366	6	16.8	44.2	28	46
368	5	13.6	35.8	35	46
403	3	10.2	26.8	48	60
404	4	13.6	35.8	48	33
405	6	20	52.6	48	70
406	4	13.6	35.8	48	58
408	4	13.6	35.8	48	65
414	3	10.2	26.8	31	37
420	4	13.6	35.8	32	48
451	4	13.6	35.8	40	54
453	4	13.6	35.8	46	57
455	5	13.6	35.8	48	59

The characteristics of the student body and course offerings at the Avery building dictate evening usage of the facilities. Although these characteristics are significantly different than those of the San Marcos campus, by Coordinating Board rule the classrooms at the Avery Building are held to the same space usage efficiency standards.

**School of Nursing Building-** there are currently no designated classrooms or class laboratories in the School of Nursing building. Therefore, the SUE Utilization and Percent Fill factors cannot be applied. The 30.6 hours of weekly instruction at the School of Nursing were applied to the University’s Facilities Demand score.

## UTILIZATION OF CLASSROOMS BY DAY AND HOUR

Numerous universities use similar procedures to define instructional periods in order to create standardized and consistent schedules of courses. The most familiar is Monday, Wednesday, and Friday (MWF) and Tuesday, Thursday (TTH) course arrangements that employ uniform start times and session durations. The goal is to provide students optimal access to courses while affording faculty adequate time to pursuit and conduct research, serve on committees and provide convenient office hours for students. In addition, standardized course schedules are critical to maximizing classroom and class lab utilization. The following uniform class scheduling policy was approved beginning spring 2009:

- MWF morning classes begin at 8:00 a.m., 9:00 a.m., 10:00 a.m. and 11:00 a.m. for 50 minutes plus 10 minute passing time.
- MW classes begin at 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m., 6:30 p.m., and 8:00 p.m. MW morning lectures are allowed if Friday is used for lab. Departments are allowed to teach up to 10% of their classes MW, from 11:00 a.m. until 12:20 p.m.
- With the Dean and Provost approvals, some classes may be offered at 11:00 a.m. MWF and conclude earlier in the semester.
- TH classes begin at 8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m., 6:30 p.m., and 8:00 p.m.
- No one-day a week morning classes allowed. 1 day-a-week classes are allowed 12:30 p.m. and later, if they begin at standard times.
- All classes must end no less than 10 minutes prior to the next scheduled class time.
- Graduate courses are exempt if not affecting first call room utilization.
- Any exception to these rules must be reviewed and accepted by the Class Scheduling Committee (CSC) whose membership shall be the Associate Vice President for Enrollment Management and Marketing (committee chair), the Registrar, the Dean of University College, a school director or departmental chair, and the Associate Vice President for Finance and Support Services.

During the fall 2013 semester, 234 different “day of week, start time, session duration” combinations were used to schedule 193 classrooms at the San Marcos campus. Table 13 on page 21 displays how these combinations translated to the number (and percentage) of classrooms occupied in 15 minute intervals by day of the week.

### **Classroom Use on Monday-Wednesday-Friday Mornings**

On average, 130 of 193 classrooms (67%) were in use on Monday-Wednesday-Friday from 8:00 a.m. to 11:50 a.m. When comparing fall 2013 to fall 2012, the number of classrooms in use during this timeframe increased by 4 rooms.

- 4 less classrooms were in use from 8:00 a.m. to 8:50 a.m.
- 6 additional classrooms were in use from 9:00 a.m. to 9:50 a.m.
- 4 additional classroom was in use from 10:00 a.m. to 10:50 a.m.
- 10 additional classrooms were in use from 11:00 a.m. to 11:50 a.m.

### **Classroom Use on Tuesday-Thursday Mornings**

On average, 161 of 193 classrooms (83%) were in use on Tuesday-Thursday from 8:00 a.m. to 12:20 p.m. When comparing fall 2013 to fall 2012, the number of classrooms in use during this timeframe increased by 6 rooms.

- 11 additional classrooms were in use from 8:00 a.m. to 9:15 a.m.
- 5 additional classrooms were in use from 9:30 a.m. to 10:45 a.m.
- 1 additional classroom was in use from 11:00 a.m. to 12:20 p.m.

### **Classroom Use on Monday-Wednesday Afternoons**

On average, 170 of 193 classrooms (88%) were in use from 12:30 p.m. to 4:50 p.m. on Monday-Wednesday afternoons. When comparing fall 2013 to fall 2012, the number of classrooms in use during this timeframe increased by 5 rooms.

- 12 additional classrooms were in use from 12:30 p.m. to 1:50 p.m.
- 1 less classroom was in use from 2:00 p.m. to 3:20 p.m.
- 5 additional classrooms were in use from 3:30 p.m. to 4:50 p.m.

### **Classroom Use on Tuesday-Thursday Afternoons**

On average, 173 of 193 classrooms (90%) were in use from 12:30 p.m. to 4:50 p.m. on Tuesday-Thursday afternoons. When comparing fall 2013 to fall 2012, the number of classrooms in use during this timeframe increased by 6 rooms.

- 9 additional classrooms were in use from 12:30 p.m. to 1:50 p.m.
- 2 additional classrooms were in use from 2:00 p.m. to 3:20 p.m.
- 8 additional classrooms were in use from 3:30 p.m. to 4:50 p.m.

### **Classroom Use on Friday Afternoons**

On average, 13 of 193 classrooms (7%) were in use from 12:30 p.m. to 4:50 p.m. on Friday afternoons. When comparing fall 2013 to fall 2012, the number of classrooms in use during this timeframe was unchanged.

- 4 less classrooms were in use from 12:30 p.m. to 1:50 p.m.
- 3 additional classrooms were in use from 2:00 p.m. to 3:20 p.m.
- 1 additional classrooms were in use from 3:30 p.m. to 4:50 p.m.

### **Evening/Night Classroom Use**

On average, 76 of 193 classrooms (40%) were in use Monday-Thursday from 5:00 p.m. to 9:20 p.m. The Friday evening average was 4%. When comparing fall 2013 to fall 2012, the number of classrooms in use classroom use in Monday-Thursday evening/night decreased by 6.

- 7 less classrooms were in use on Monday
- 4 less classrooms were in use on Tuesday
- 8 less classrooms were in use on Wednesday
- 3 less classrooms were in use on Thursday
- 4 less classrooms were in use on Friday

**Table 13: Number and Percent of Classrooms in Use by Day and Hour: San Marcos Campus Only**

Time	Mon	Mon %	Tues	Tues %	Wed	Wed %	Thur	Thur %	Fri	Fri %
8:00 AM	84	43.52	124	64.25	81	41.97	122	63.21	64	33.16
8:15 AM	84	43.52	124	64.25	81	41.97	122	63.21	64	33.16
8:30 AM	84	43.52	124	64.25	81	41.97	122	63.21	64	33.16
8:45 AM	84	43.52	124	64.25	81	41.97	122	63.21	64	33.16
9:00 AM	140	72.54	115	59.59	138	71.50	114	59.07	131	67.88
9:15 AM	140	72.54	115	59.59	138	71.50	114	59.07	131	67.88
9:30 AM	144	74.61	186	96.37	142	73.58	181	93.78	135	69.95
9:45 AM	144	74.61	186	96.37	142	73.58	181	93.78	135	69.95
10:00 AM	153	79.27	187	96.89	150	77.72	182	94.30	138	71.50
10:15 AM	153	79.27	187	96.89	150	77.72	182	94.30	138	71.50
10:30 AM	152	78.76	173	89.64	149	77.20	171	88.60	138	71.50
10:45 AM	152	78.76	172	89.12	149	77.20	170	88.08	136	70.47
11:00 AM	191	98.96	187	96.89	190	98.45	187	96.89	92	47.67
11:15 AM	191	98.96	187	96.89	190	98.45	187	96.89	92	47.67
11:30 AM	189	97.93	187	96.89	188	97.41	187	96.89	91	47.15
11:45 AM	189	97.93	187	96.89	188	97.41	187	96.89	91	47.15
12:00 PM	112	58.03	174	90.16	111	57.51	173	89.64	14	7.25
12:15 PM	111	57.51	174	90.16	111	57.51	173	89.64	12	6.22
12:30 PM	184	95.34	184	95.34	184	95.34	184	95.34	24	12.44
12:45 PM	184	95.34	183	94.82	184	95.34	183	94.82	23	11.92
1:00 PM	186	96.37	185	95.85	187	96.89	185	95.85	23	11.92
1:15 PM	186	96.37	184	95.34	187	96.89	185	95.85	21	10.88
1:30 PM	174	90.16	176	91.19	176	91.19	176	91.19	14	7.25
1:45 PM	174	90.16	176	91.19	176	91.19	176	91.19	11	5.70
2:00 PM	173	89.64	180	93.26	174	90.16	175	90.67	15	7.77
2:15 PM	173	89.64	180	93.26	174	90.16	175	90.67	15	7.77
2:30 PM	172	89.12	181	93.78	173	89.64	176	91.19	15	7.77
2:45 PM	172	89.12	181	93.78	173	89.64	176	91.19	14	7.25
3:00 PM	161	83.42	172	89.12	163	84.46	168	87.05	11	5.70
3:15 PM	161	83.42	172	89.12	163	84.46	168	87.05	8	4.15
3:30 PM	159	82.38	172	89.12	164	84.97	162	83.94	7	3.63
3:45 PM	158	81.87	171	88.60	163	84.46	161	83.42	7	3.63
4:00 PM	160	82.90	171	88.60	163	84.46	160	82.90	7	3.63
4:15 PM	160	82.90	170	88.08	162	83.94	159	82.38	6	3.11
4:30 PM	153	79.27	160	82.90	152	78.76	153	79.27	6	3.11
4:45 PM	151	78.24	159	82.38	151	78.24	152	78.76	6	3.11
5:00 PM	93	48.19	89	46.11	94	48.70	85	44.04	2	1.04
5:15 PM	90	46.63	88	45.60	93	48.19	85	44.04	1	0.52
5:30 PM	92	47.67	90	46.63	95	49.22	87	45.08	1	0.52
5:45 PM	91	47.15	88	45.60	95	49.22	87	45.08	1	0.52
6:00 PM	83	43.01	83	43.01	84	43.52	82	42.49	1	0.52
6:15 PM	82	42.49	81	41.97	83	43.01	78	40.41	1	0.52
6:30 PM	78	40.41	89	46.11	80	41.45	66	34.20	0	0.00
6:45 PM	78	40.41	89	46.11	80	41.45	66	34.20	0	0.00
7:00 PM	80	41.45	89	46.11	79	40.93	68	35.23	0	0.00
7:15 PM	79	40.93	89	46.11	79	40.93	68	35.23	0	0.00
7:30 PM	77	39.90	88	45.60	79	40.93	68	35.23	0	0.00
7:45 PM	77	39.90	87	45.08	79	40.93	68	35.23	0	0.00
8:00 PM	62	32.12	77	39.90	68	35.23	58	30.05	0	0.00
8:15 PM	62	32.12	77	39.90	68	35.23	57	29.53	0	0.00
8:30 PM	60	31.09	76	39.38	67	34.72	56	29.02	0	0.00
8:45 PM	60	31.09	76	39.38	67	34.72	56	29.02	0	0.00
9:00 PM	60	31.09	75	38.86	66	34.20	55	28.50	0	0.00
9:15 PM	60	31.09	74	38.34	66	34.20	55	28.50	0	0.00
9:30 PM	0	0.00	1	0.52	0	0.00	1	0.52	0	0.00
9:45 PM	0	0.00	0	0.00	0	0.00	1	0.52	0	0.00
10:00 PM	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
< 20%	20-39.9%	40-59.9%	60-79.9%	>=80						

**Graph 1: Number of Classrooms in Use by Day and Time: San Marcos Campus**

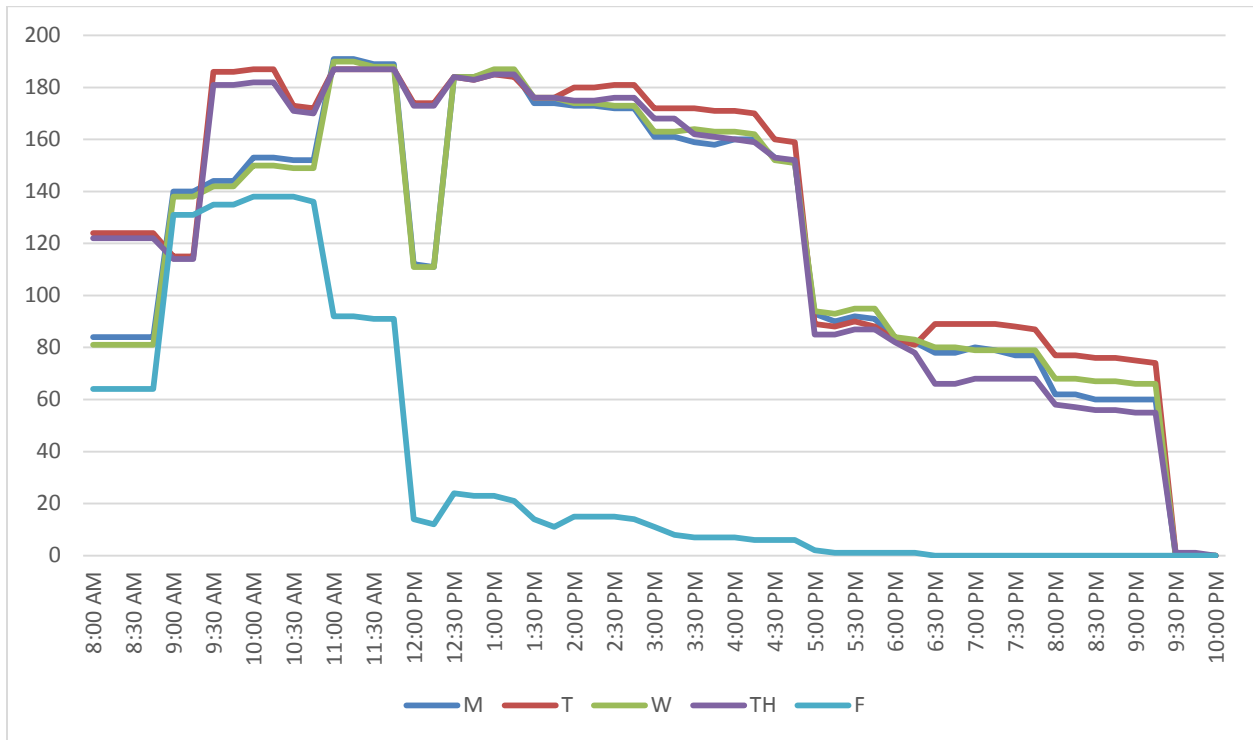


Table 14 on the following page shows the percent of course sections taught on Friday and at 8:00 a.m. by department for all room types.

**Friday classes:**

- In total, 758 of 5051 course sections (15%) convene on Fridays.
- Six (6) academic departments each taught 40 or more sections on Friday: Music, English, Math, Biology, Philosophy and Communications
- Materials Science and Music taught 40% plus of their sections on Fridays
- Three (3) academic departments did not teach on Fridays: Military Science, CLAS, and International Studies.

**Classes taught at or before 8:00 a.m.:**

- In total, 472 of 5051 (9%) sections convene at or before 8:00 a.m.
- Biology and Health and Human Performance taught 40 or more sections at 8:00 a.m.
- No academic departments taught over 40% of their classes starting at 8:00 a.m.
- Nine (9) academic departments did not teach classes starting at 8:00 am; Anthropology, CLAS, Geography, International Studies, Military Science, Nursing, Occupational Education, Social Work, and Sociology

**Table 14: Percent of Course Sections on Fridays and At or Before 8:00 am**

COLLEGE / DEPARTMENT	TOTAL SECTIONS	FRIDAY	FRIDAY %	8 AM SECTIONS	8 AM %
<b>Applied Arts</b>					
Aerospace Studies	8	1	12.50	1	12.50
Agriculture	55	9	16.36	7	12.73
Criminal Justice	91	16	17.58	8	8.79
Family and Consumer Sciences	121	8	6.61	16	13.22
Military Science	6	0	0.00	0	0.00
Occupational Education	14	1	7.14	0	0.00
Social Work	51	1	1.96	0	0.00
	<b>346</b>	<b>36</b>	<b>10.40</b>	<b>32</b>	<b>9.25</b>
<b>Business</b>					
Accounting	62	15	24.19	2	3.23
Computer Information Systems	46	4	8.70	3	6.52
Finance and Economics	85	6	7.06	8	9.41
Management	82	1	1.22	4	4.88
Marketing	48	3	6.25	2	4.17
McCoy College	7	0	0.00	0	0.00
	<b>330</b>	<b>29</b>	<b>8.79</b>	<b>19</b>	<b>5.76</b>
<b>Education</b>					
CLAS	81	0	0.00	0	0.00
Curriculum & Instruction	152	1	0.66	11	7.24
Education	15	1	6.67	0	0.00
HHP	265	26	9.81	42	15.85
	<b>513</b>	<b>28</b>	<b>5.46</b>	<b>53</b>	<b>10.33</b>
<b>Fine Arts</b>					
Art & Design	233	15	6.44	38	16.31
Communications	251	48	19.12	20	7.97
Mass Communications	109	2	1.83	6	5.50
Music	319	131	41.07	24	7.52
Theatre	145	25	17.24	4	2.76
	<b>1057</b>	<b>221</b>	<b>20.91</b>	<b>92</b>	<b>8.70</b>
<b>Health Professions</b>					
Clinical Laboratory Science	16	2	12.50	3	18.75
Communication Disorders	27	8	29.63	4	14.81
Health Information Management	21	3	14.29	2	9.52
Healthcare Administration	42	4	9.52	3	7.14
Nursing	8	1	12.50	0	0.00
Physical Therapy	45	8	17.78	9	20.00
Radiation Therapy	11	2	18.18	2	18.18
Respiratory Care	25	1	4.00	15	60.00
	<b>195</b>	<b>29</b>	<b>14.87</b>	<b>38</b>	<b>19.49</b>
<b>Honors</b>					
Honors	<b>21</b>	<b>0</b>	<b>0.00</b>	<b>0</b>	<b>0.00</b>
<b>Liberal Arts</b>					
Anthropology	57	11	19.30	0	0.00
English	344	67	19.48	24	6.98
Geography	165	12	7.27	0	0.00



COLLEGE / DEPARTMENT	TOTAL SECTIONS	FRIDAY	FRIDAY %	8 AM SECTIONS	8 AM %
History	87	7	8.05	3	3.45
International Studies	1	0	0.00	0	0.00
Modern Languages	139	38	27.34	8	5.76
Philosophy	141	49	34.75	12	8.51
Political Science	109	17	15.60	6	5.50
Psychology	97	9	9.28	5	5.15
Sociology	58	10	17.24	0	0.00
Women's Studies	2	0	0.00	0	0.00
	<b>1200</b>	<b>220</b>	<b>18.33</b>	<b>58</b>	<b>4.83</b>
<b>Science</b>					
Biology	372	50	13.44	50	13.44
Chemistry	166	36	21.69	35	21.08
Computer Science	110	14	12.73	8	7.27
Engineering	93	5	5.38	6	6.45
Mathematics	259	53	20.46	26	10.04
MSEC	7	3	42.86	1	14.29
Physics	102	12	11.76	14	13.73
Technology Engineering	43	3	6.98	6	13.95
	<b>1152</b>	<b>176</b>	<b>15.28</b>	<b>146</b>	<b>12.67</b>
<b>University</b>					
General Studies	2	0	0.00	1	50.00
University Seminar	235	19	8.09	33	14.04
	<b>237</b>	<b>19</b>	<b>8.02</b>	<b>34</b>	<b>14.35</b>
<b>TEXAS STATE TOTAL</b>	<b>5051</b>	<b>758</b>	<b>15.01</b>	<b>472</b>	<b>9.34</b>

## CLASS LAB UTILIZATION AND AVERAGE PERCENT FILL

A class laboratory is defined as a room for “regularly scheduled classes that require special equipment for student participation, experimentation, observation, or practice.” It is designed for and/or furnished with equipment to serve the needs of a particular discipline for group instruction. The room design and/or equipment normally limits its use for other disciplines.

In fall 2012 there were 101 class labs on inventory. The following space use changes were made for fall 2013. The net result is 103 class labs.

- Rooms removed from the inventory of Class Labs
  - Chemistry 106 was reclassified to a class lab service room
- Rooms added to the inventory of Class Labs
  - Evans Liberal Arts 121 was reclassified from a special class lab
  - Evans Liberal Arts 227 was reclassified from a special class lab
  - Chemistry 109 was reclassified from a class lab service room

Table 15 provides the number of sections (SECTS), weekly hours (HRS), utilization rate (UTIL%), seating capacity (SEATS), Average Percent Fill (PF) and responsible department/ school for each designated class lab listed in the facilities inventory for fall 2013.

**Table 15: Class Lab Utilization Rates and Average Percent Fill by Building and Room**

BUILDING	ROOM	SECTS	HRS	UTIL%	SEATS	PF	DEPT
Agriculture	101	10	24.6	98.4	30	78	Agriculture
Chemistry	109	4	13.6	54.4	24	73	Chem/Biochemistry
Chemistry	110	15	51	204	18	100	Chem/Biochemistry
Chemistry	113	15	51	204	24	84	Chem/Biochemistry
Chemistry	114	15	51	204	24	97	Chem/Biochemistry
Chemistry	117	15	51	204	24	97	Chem/Biochemistry
Chemistry	222	3	23	92	0	98	Chem/Biochemistry
Chemistry	229	15	51	204	14	100	Chem/Biochemistry
Chemistry	232	15	51	204	15	97	Chem/Biochemistry
Chemistry	327	11	47.6	190.4	24	95	Chem/Biochemistry
Derrick Hall	122	14	44	176	39	87	Mathematics
Derrick Hall	236	20	30.8	123.2	16	100	Computer Science
Derrick Hall	325	20	44	176	23	91	Computer Science
Derrick Hall	338	12	38.2	152.8	38	69	Mathematics
Derrick Hall	339	9	28.8	115.2	38	100	Mathematics
Emmett & Miriam McCoy Hall	332	8	25.6	102.4	48	74	CIS & Quant Methods
Emmett & Miriam McCoy Hall	334	13	41.2	164.8	56	96	CIS & Quant Methods
Evans Liberal Arts	121	12	27.6	110.4	20	93	Geography
Evans Liberal Arts	123	9	28.8	115.2	24	86	Geography
Evans Liberal Arts	149	11	24.2	96.8	20	100	Geography
Evans Liberal Arts	155	22	26.2	104.8	22	83	Geography
Evans Liberal Arts	156	7	27	108	20	91	Geography
Evans Liberal Arts	226	16	25.6	102.4	30	88	Anthropology
Evans Liberal Arts	227	8	15.8	63.2	24	79	Anthropology
Family & Consumer Sciences	132	5	32.4	129.6	20	85	Family/Consumer Sci
Family & Consumer Sciences	141	7	25	100	34	77	Family/Consumer Sci
Family & Consumer Sciences	187	10	22	88	24	85	Family/Consumer Sci
Family & Consumer Sciences	205	10	38.2	152.8	18	88	Family/Consumer Sci
Family & Consumer Sciences	216	3	19.2	76.8	19	84	Family/Consumer Sci
Flowers Hall	114	11	35.4	141.6	25	100	English

Flowers Hall	120	11	35	140	20	100	English
Flowers Hall	G13	11	35	140	26	85	English
Health Professions	104	4	20.4	81.6	5	100	Physical Therapy
Health Professions	218	11	27	108	16	84	Coll/Health Prof
Health Professions	305	16	40	160	42	84	Physical Therapy
Health Professions	333	14	24.6	98.4	40	99	Physical Therapy
Health Professions	334	6	24.4	97.6	12	83	Clinical Lab Science
Health Professions	335	12	37	148	24	100	Physical Therapy
Health Professions	346	4	15.6	62.4	10	93	Clinical Lab Science
Jerome & Catherine Supple Science	128	14	30.8	123.2	25	92	Physics
Jerome & Catherine Supple Science	133	12	40.8	163.2	21	80	Physics
Jerome & Catherine Supple Science	137	10	34	136	16	79	Physics
Jerome & Catherine Supple Science	139	8	17.6	70.4	25	78	Physics
Jerome & Catherine Supple Science	141	14	30.8	123.2	36	96	Physics
Jerome & Catherine Supple Science	176-A	8	15.6	62.4	18	91	Biology
Jerome & Catherine Supple Science	222-A	11	24.2	96.8	24	89	Biology
Jerome & Catherine Supple Science	224-A	14	38	152	24	93	Biology
Jerome & Catherine Supple Science	233	13	44.2	176.8	16	88	Biology
Jerome & Catherine Supple Science	239	10	34	136	20	100	Biology
Jerome & Catherine Supple Science	255-A	20	68	272	24	97	Biology
Jerome & Catherine Supple Science	261	27	43.2	172.8	24	93	Biology
Jerome & Catherine Supple Science	265-A	21	33.6	134.4	24	96	Biology
Jerome & Catherine Supple Science	270-A	19	64.8	259.2	16	92	Biology
Jerome & Catherine Supple Science	326	7	21.8	87.2	18	100	Biology
Jerome & Catherine Supple Science	363	14	47.6	190.4	16	96	Biology
Jerome & Catherine Supple Science	369-A	14	47.6	190.4	16	99	Biology
Jerome & Catherine Supple Science	372-A	7	23.8	95.2	20	92	Biology
Jerome & Catherine Supple Science	422-A	27	93	372	18	92	Biology
Jerome & Catherine Supple Science	424-A	7	23.8	95.2	18	78	Biology
Jerome & Catherine Supple Science	429-A	16	54.4	217.6	20	99	Biology
Jerome & Catherine Supple Science	433	27	93	372	18	90	Biology
Joann Cole Mitte	1113-A	11	51.2	204.8	19	89	School Art & Design
Joann Cole Mitte	1128	8	54.4	217.6	21	92	School Art & Design
Joann Cole Mitte	1129	9	57.2	228.8	22	87	School Art & Design
Joann Cole Mitte	1130	9	47.6	190.4	20	84	School Art & Design
Joann Cole Mitte	2115	10	64	256	20	94	School Art & Design
Joann Cole Mitte	2120	16	68.8	275.2	21	76	School Art & Design
Joann Cole Mitte	2131	8	54.4	217.6	21	90	School Art & Design
Joann Cole Mitte	3102-C	7	50.4	201.6	19	100	School Art & Design
Joann Cole Mitte	3107-A	10	63.8	255.2	20	100	School Art & Design
Joann Cole Mitte	3107-F	8	52.4	209.6	20	94	School Art & Design
Joann Cole Mitte	3118	9	53.8	215.2	21	85	School Art & Design
Joann Cole Mitte	4105	13	64	256	19	89	School Art & Design
Joann Cole Mitte	4107	5	34	136	18	96	School Art & Design
Joann Cole Mitte	4112	12	40.8	163.2	18	88	School Art & Design
Jowers Center	B175	14	43.6	174.4	35	55	Theatre
Jowers Center	B178	12	35.4	141.6	25	76	Theatre
Jowers Center	D112	15	33	132	20	81	Health/Human Perf
Music	121	18	42	168	15	100	Music
Music	216	19	48.2	192.8	42	37	Music
Music	221	13	39.5	158	20	59	Music
Music	222	17	44	176	50	51	Music
Music	224	17	62.6	250.4	50	92	Music
Old Main	212	16	56.4	225.6	19	81	Sch. of Journalism
Old Main	238	17	58.6	234.4	20	86	Sch. of Journalism
Old Main	324	4	20.8	83.2	11	100	Sch. of Journalism

<b>Roy F. Mitte</b>	3223	9	25	100	19	62	Physics
<b>Roy F. Mitte</b>	4231	14	38	152	52	46	Engineering Technol
<b>Roy F. Mitte</b>	4234	14	37.2	148.8	40	53	Engineering Technol
<b>Roy F. Mitte</b>	4236	8	16	64	24	89	Engineering Technol
<b>Roy F. Mitte</b>	5213	10	30.4	121.6	24	85	Engineering
<b>Roy F. Mitte</b>	5216	13	39.8	159.2	24	71	Engineering
<b>Roy F. Mitte</b>	5233	9	24.2	96.8	31	82	Engineering
<b>Roy F. Mitte</b>	5246	11	34.4	137.6	24	57	Engineering
<b>Sabinal</b>	112	9	40.8	163.2	18	84	School Art & Design
<b>Sabinal</b>	117	5	34	136	18	92	School Art & Design
<b>Theatre Center</b>	106	13	38.8	155.2	23	79	Theatre
<b>Theatre Center</b>	113	12	38.2	152.8	24	80	Theatre
<b>Theatre Center</b>	206	15	42.8	171.2	110	60	Theatre
<b>Theatre Center</b>	209	14	42.8	171.2	100	33	Theatre
<b>Theatre Center</b>	216	12	38.6	154.4	19	76	Theatre
<b>Trinity</b>	113	16	52	208	18	93	Sch. of Journalism
<b>Undergraduate Academic Center</b>	342	6	19.4	77.6	29	74	Political Science

Table 15 Summary:

- 82 of 103 of class labs (79.6%) were scheduled with 25.0 or more hours per week of instruction. The Average Percent Fill (PF) for these 82 class labs is 80%;
- 11 of 103 class labs (10.7%) were scheduled with 21.0 to 24.9 hours per week of instruction. The average PF for these 11 rooms is 89%;
- 4 of 103 class labs (3.8%) were scheduled with 18.0 to 20.9 hours per week of instruction. The average PF for these 4 rooms is also 89%;
- 6 of 103 (5.8%) had less than 18 hours per week of instruction. The average PF for these 6 rooms is 84%.

## USE OF ROOMS NOT CODED AS CLASSROOMS AND CLASS LABS

There were 2401 hours taught (781 sections) in rooms not designated as classrooms or class laboratories for fall 2013. These course sections are not included in Utilization or Average Percent Fill calculations but are included in the Facilities Demand calculation.

**Table 16: Utilization of Rooms Not Coded as Classrooms and Class Labs**

SPACE USE	2013 ROOM COUNT	2013 SECTIONS	2013 HOURS	2012 ROOM COUNT	2012 SECTIONS	2012 HOURS
Special Class Open Laboratory	54	253	977.8	52	217	597
Individual Study Laboratory	0	0	0	1	1	2.4
Research/Non-Class Laboratory	1	1	3.6	1	1	3.6
Office	26	114	260.6	26	113	93.6
Conference Room	16	55	180	15	56	145.8
Reading/Study Room	2	7	23.8	3	20	40.2
Athletic / PE	9	113	241.6	8	109	213.2
Athletic / PE Service	2	6	12.8	2	6	14
Media Production	1	2	6.4	2	5	19
Assembly	5	29	84.8	6	33	101.8
Meeting Room	39	199	602.6	37	180	527.3
Shop	1	2	6.8	1	2	6.8

When comparing fall 2013 to fall 2012, the number of rooms used for scheduled instruction that are not classified as a classroom or class lab increased by 2, the number of course sections offered in those rooms increased by 38 and the non-stacked hours of instruction taught in those rooms increased by 636.1 hours.

## APPENDIX

The CBM005-Building and Room Report and the CBM011-Facilities Room Inventory Report provide the data used to compute Texas State's Space Usage Efficiency (SUE) score. Both of these reports are certified annually by the Coordinating Board.

The Registrar's Office, working with Institutional Research, submits and certifies the CBM005– Building and Room Report every fall semester. Shortly after the twelfth class day of the fall semester, the Coordinator of Facilities Inventory requests a copy of the CBM005 to conduct an analysis of all rooms listed in the report. The purpose is to identify possible "space use" changes in order to maximize the instructional hours included in the calculations by the Coordinating Board.

Comparing "space use" (classroom, class lab, special class lab, meeting room etc.) to "hours of scheduled instruction" can help determine the best space use classification for a room. For example, if a room is identified as a "special class lab" and there are 12.5 or more hours of instruction scheduled in that room, it is "flagged" for a possible change to a "class lab" to be included in the utilization calculations for class labs (12.5 hours of instruction is  $\frac{1}{2}$  of the Coordinating Board benchmark for class lab utilization). Conversely, if a room is classified as a "class lab" and less than 12.5 hours of scheduled instruction are offered in that room, it may be better to classify the room as a "special class lab." In these situations, historical class data is analyzed and/or the department controlling the room is contacted to determine the best space use code before any changes are made. The following paragraphs provide the calculations used by the Coordinating Board for determining Texas State's SUE score.

**Facilities Demand Score Calculations** - In fall 2013, a total of 15,817 instructional hours were scheduled weekly at Texas State. Instructional hours are calculated by multiplying the number of times a course meets in one week by the duration of the course period, then dividing this number by 50 (number of minutes in an hour accounting for passing and room transition time) and adding the totals for all course sections (both lecture and lab). For example: ENG 1310, meets on MWF for 50 minutes each day resulting in 3.0 instructional hours ( $50 \times 3$ )/50 = 3.0.

To calculate Classroom Facilities Demand, lab hours (5340) are deducted from the total hours (15,817) and the remaining hours (10,477) are divided by the number of classrooms on record (217). Therefore, Classroom Facilities Demand equals 48.28 hours per week. Texas State earned the maximum number of points (4) in this category. Facilities Demand is assigned a weight of 9 by the Coordinating Board which then results in Texas State's score for Classroom Facilities Demand at 36. Class Laboratory Demand equals 51.84 hours per week ( $5340.1/103$ ) resulting in Texas State earning the maximum number points (4) in this category. The weight assigned by the Coordinating Board to this measurement is also 9. Texas State's score for Class Laboratory Facilities Demand is 36.

**Utilization Score Calculations** - The average weekly hours of instruction for classrooms at Texas State for fall 2013 are 39.33 hours (104% of the classroom utilization benchmark) or 8536.54 hours / 217 classrooms. The average weekly hours of instruction for class labs at Texas State for fall 2013 are 39.14 hours (156.57% of the class laboratory utilization benchmark) or 4031.7 weekly hours of instruction / 103 class labs. Texas State's scores for both Classroom Utilization and Class Laboratory Utilization is 32 (the maximum points awarded). "Stack Classes" are not included in the utilization score. Stacked Classes refers to multiple courses that meet at the same time, in the same room but have different course and section numbers.

**Average Percent Fill Score Calculations** - The classrooms Average Percent Fill (PF) is based on an enrollment total of 293,915 students and 413,962 available student stations in 6556 course occurrences. After the individual course period percentages are calculated, rounded, multiplied by the number of occurrences, and totaled, the final ratio for classrooms is 4718 / 6556 or 71.9%. For class labs the calculation is based on 46,672 students and 53,746 available seats in 1958 course occurrences. After all the calculations are complete, the final ratio is 1599.14 / 1958 or 81.637%. Texas State's scores for both Classroom and Class Laboratory Average Percent Fill is 32 (the maximum points awarded).