

IX Quantitative (Formula) Space Needs

The basic method used to determine the facilities required by a university to accommodate educational programs, student enrollments, personnel, and services is the Fixed Capital Outlay Space Needs Generation Formula. The space needs formula (Formula) is used for the university's Main Campus (which may be a combination of Sites, as is the case for Florida State University) and provides for three general classifications of space: instructional, academic support, and institutional support. Within these three classifications nine categories of space are included: classroom, teaching laboratory, research laboratory, study, instructional media, auditorium and exhibition, gymnasium, office and administrative data processing, and campus support services. Although each of the nine categories of space is treated individually in the Formula, only three basic methods are used for generating space: space factors for scheduled space, allotments for nonscheduled space, and space provided as a percentage of other space. While the FTE enrollment projection (by Site/Campus) acts as primary generator, the Formula recognizes variations in space requirements derived from discipline groupings, course levels, research programs, and library holdings as well as faculty, staff, and contract and grant positions. The outcome of running the Formula is a campus-wide aggregate of the ten categories of space, based on an individual universities make of students, programs, faculty and staff. A detailed explanation of the Formula is in section C of the Appendices

An alternative method used for the determination of needs is the use of Factors. Factors are the result of the average of the all universities space factors within each of the nine categories. The Factors are then multiplied by the total projected student FTE (less Distance Learning FTE in four categories) the results being the projected space needs for each of the nine categories for each individual university's Main Campus. For this survey we have utilized this alternative method. Table 8 shows the space standards (Factors) used for the generation of need for this Survey for Main Campus. Table 9 shows the net assignable square feet generated when the space standards (Factors) are applied to the projected FTE, by category of space, for Main Campus. Table 10 is a comparison of the existing satisfactory space with the projected space, by category of space, for Main Campus. Table 11 is an analysis of the space which indicates the amount of additional space that will be needed to meet the projected enrollment in the out-year (also referred to as Form B).

TABLE 8
Space Standards Used in Nine Space Category Needs Generation for Main Campus

SPACE CATEGORY	SUS SPACE FACTOR
Classroom	9 ASF per FTE less DL*
Teaching Laboratory	11 ASF per FTE less DL*
Study	14 ASF per FTE
Research Laboratory	19 ASF per FTE
Office	23 ASF per FTE
Auditorium/Exhibition	2 ASF per FTE less DL*
Instructional Media	3 ASF per FTE
Gymnasium	5 ASF per FTE less DL*
Campus Support Services	4 ASF per FTE

* DL – Distance Learning FTE (SUS standards)

TABLE 9**Generated Net Assignable Square Feet by Space Category for Main Campus**

Based on 2022-2023 projected US FTE of 41,620 (less 7,334 US FTE for Distance Learning where applicable)*

SPACE CATEGORY	ASF Generated
Classroom	321,776
Teaching Laboratory	402,219
Study	561,870
Research Laboratory	780,375
Office	936,450
Auditorium/Exhibition	80,444
Instructional Media	124,860
Gymnasium	160,888
Campus Support Services	168,561
Total	3,537,443

*Distance Learning applicable to Classroom, Teaching Lab, Auditorium/Exhibition, and Gymnasium space categories.

TABLE 10**Comparison of Existing Satisfactory Space with Generated Square Footage Needs by Category**

SPACE CATEGORY	FY 2022-2023 ASF Generated Need	FY 2017-2018 ASF Existing Satisfactory Space	Projected ASF Unmet Need	Adjusted * ASF Unmet Need	Percentage of Need	
					Met	Unmet
Classroom	321,776	319,557	2,219	5,023	99.31%	0.69%
Teaching Laboratory	402,219	442,950	(40,731)	(20,292)	110.13%	-10.13%
Study	561,870	340,064	221,806	218,965	60.52%	39.48%
Research Laboratory	780,375	581,918	198,457	149,882	74.57%	25.43%
Office	936,450	1,343,441	(406,991)	(378,818)	143.46%	-43.46%
Auditorium / Exhibition	80,444	128,207	(47,763)	(47,763)	159.37%	-59.37%
Instructional Media	124,860	1,299	123,561	123,561	1.04%	98.96%
Gymnasium	160,888	40,133	120,755	120,755	24.94%	75.06%
Campus Support Services	168,561	131,013	37,548	37,548	77.72%	22.28%
Total	3,537,443	3,328,582	208,861	208,861	94.10%	5.90%

* Adjusted for reclassification of existing space repurposed when projects under construction are complete.

TABLE 11

Analysis of Space Needs by Space Category for Main Campus

ANALYSIS OF SPACE NEEDS BY CATEGORY - FORM B REVISED

FLORIDA STATE UNIVERSITY
Main Campus

Does not include Ringling, Panama City Sites and Medical Sites
Net Assignable Square Feet Eligible for Fixed Capital Outlay Budgeting

Traditional FTE= 34,286
On-Line FTE= 7,334
TOTAL FTE= 41,620

	Class- room**	Teaching Lab**	Study Lab	Research Lab	Office	Audi/ Exhib.**	Instruct. Media	Gym**	Campus Support Services	Total NASF
Space Needs by Space Type*: 2022-2023	321,776	402,219	561,870	780,575	936,450	80,444	124,860	160,888	168,561	3,537,443
1) Current Inventory as of: October 5, 2017	324,328	432,158	342,754	653,651	1,328,789	124,808	19,166	44,440	151,154	3,421,248

Less	4,048	0	3,000	0	4,342	1,673	0	4,307	18,339	35,709
Unsatisfactory Space to be Terminated	742	5,768	620	0	3,416	0	0	0	518	11,064
Unsatisfactory Space to be Demolished	9,261	1,296	2,226	99,403	32,154	454	17,867	0	1,514	163,975
Ineligible Space										

Plus	9,280	17,856	3,156	27,670	40,160	5,526	0	0	0	103,648
Total Under Construction										
African-American Study/BSU	0	0	76	0	1198	2139	0	0	0	3,413
Jim Moran Building	0	2606	740	0	3962	3387	0	0	0	10,695
EOAS	9280	15250	2340	27670	35000	0	0	0	0	89,540

Beginning Inventory for Form B Purposes 319,557 442,930 340,064 581,918 1,329,037 128,207 1,299 40,133 130,983 3,314,148

Net Space Needs	2,219	(40,731)	221,806	198,457	(892,587)	(47,763)	123,561	120,755	37,578	223,295
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*SUS 9-categories of Space

(**Online FTE excluded from Classroom, Teaching Lab, Auditorium/Exhibition, and Gymnasium needs.)

1) Unsatisfactory Space with No Requested Action										
2) Unsatisfactory Space to be Renovated/Remodeled	2,824	8,694	1,412	105,417	55,285				123	173,755
Space Changes Due to Construction (Eligible Spaces)	(2,804)	(20,439)	2,641	48,575	(28,173)	0	0	0	0	0
EOAS	0	(1,035)	1,035	10,000	(10,000)	0	0	0	0	0
0036 Rogers Building										
0113 Caraway Building	(1,998)	(1,604)	1,000	10,764	(8,162)	0	0	0	0	0
0116 Love Building	(806)	(3,405)	806	13,416	(10,011)	0	0	0	0	0
Preeminent Funding	0	(14,395)	0	14,395	0	0	0	0	0	0
4007 Kang Building										

Adjusted Net Space Needs	5,023	(20,292)	218,965	149,882	(364,414)	(47,763)	123,561	120,755	37,578	223,295
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