

3.
ACADEMIC FACILITIES
DATA & ANALYSIS

I. Space Inventory

A. *Relationship to Campus Master Plan Future Land Uses*

In the University of Florida Educational Plant Survey, the analysis of indoor academic space is based on a calculation of net assignable square feet (NASF) of facilities that provide academic functions. According to the Educational Plant Survey, the Space Needs model applied is the State University System Space Needs Generation Formula (formula). The formula was designed to recognize space requirements for a site based on academic program offerings, student enrollment by level, and research programs. The most important measure in the formula is full-time-equivalent student enrollment. Other important measures include positions, research activity, and library materials. The following space categories are included in the formula:

Instructional	Academic Support	Institutional Support
Classroom Facilities	Study Facilities	Office/Computer Facilities
Teaching Laboratory Facilities	Instructional Media Facilities	Campus Support Facilities
Research Laboratory Facilities	Auditorium/Exhibition Facilities	
	Teaching Gymnasium Facilities	

In terms of the campus master plan future land use classifications, a facility within the Academic/Research land use category will have a preponderance of Instructional space; however, Academic Support and Institutional Support space will typically be in the same building. Within the Educational Plant Survey, libraries include study facilities and instructional media that are classified within the Academic Support space type but are identified in the Academic/Research land use classification of the campus master plan. Auditorium/Exhibition spaces may be found within academic buildings in the Academic/Research land use classification or within museums and performance centers placed in the Cultural land use. Teaching Gymnasiums are typically included in buildings that fall within the Academic/Research land use classification; however, some such facilities also serve student recreation and may be present in the Active Recreation land use.

B. *Academic Space Definitions*

The State University System of Florida Space Needs Formula provides definitions for each university space type to be used in the analysis of space need and capital project justification. As described above, these space definitions do not directly translate to campus master plan land use classifications.

Classroom Facilities. A classroom is defined as a room used for classes and not tied to a specific subject or discipline by equipment in the room or the configuration of the room. Included in this category are rooms generally used for scheduled instruction that require no special, restrictive equipment or configuration. These include lecture rooms, lecture-demonstration rooms, seminar rooms, and general purpose classrooms. Related service areas such as projection rooms, telecommunications control booths, preparation rooms, closets, storage areas, etc. are included in this category if they serve classrooms.

Teaching Laboratory Facilities. A teaching laboratory is defined as a room used primarily for scheduled classes that require special purpose equipment or a specific room configuration for student participation, experimentation, observation, or practice in an academic discipline. Included in this category are rooms generally called teaching laboratories, instructional shops,

computer laboratories, drafting rooms, band rooms, choral rooms, music practice rooms, language laboratories, studios, theater stage areas used primarily for instruction, instructional health laboratories, and similar specially designed or equipped room if they are used primarily or group instruction in formally or regularly scheduled classes. Related service areas are also included in this category.

Research Laboratory Facilities. A research laboratory is defined as a room used primarily for laboratory experimentation, research or training in research methods, professional research and observation, or structured creative activity within a specific program. Included in this category are labs used for experiments, testing or "dry runs" in support of instructional, research or public service activities. Non class public service laboratories which promote new knowledge in academic fields are included in this category (e.g., animal diagnostic laboratories and cooperative extension laboratories). Related service areas that directly serve these laboratories are included in this category.

Research Faculty Space needs are generated by discipline for Educational and General (E&G) and Contract and Grant (C&G) faculty.

Graduate Students Space needs are generated by discipline for beginning and advanced graduate student FTE.

Study Facilities. Study facilities include study rooms, stack areas, processing rooms, and study service areas.

Instructional Media Facilities. Instructional Media rooms are used for the production or distribution of multimedia materials or signals. Included in this category are rooms generally called TV studios, radio studios, sound studios, photo studios, video or audio cassette and software production or distribution rooms, and media centers. Service areas such as film, tape, or cassette libraries or storage areas, media equipment storage rooms, recording rooms, engineering maintenance rooms, darkrooms, and studio control booths are also included in this category.

Auditorium/Exhibition Facilities. Auditorium/exhibition facilities are defined as rooms designed and equipped for the assembly of many persons for such events as dramatic, musical, devotional, livestock judging, or commencement activities or rooms or areas used for exhibition of materials, works of art, artifacts, etc. and intended for general use by faculty, students, staff, and the public.

Service areas such as check rooms, ticket booths, dressing rooms, projection booths, property storage, make-up rooms, costume and scenery shops and storage, green rooms, multimedia and telecommunications control rooms, workrooms, and vaults are also included in this category.

Teaching Gymnasium Facilities. A teaching gymnasium is defined as a room or area used by students, staff, or the public for athletic or physical education activities. Included in this category are rooms generally referred to as gymnasiums, basketball courts, handball courts, squash courts, wrestling rooms, weight or exercise rooms, racquetball courts, indoor swimming pools, indoor putting areas, indoor ice rinks, indoor tracks, indoor stadium fields, and field houses. Service areas such as locker rooms, shower rooms, ticket booths, rooms for dressing, equipment, supply, storage, first-aid, towels, etc. are also included in this category.

C. Academic Space Needs in the Educational Plant Survey

Based upon space definitions and formulas in the Educational Plant Survey (EPS), additional space is needed in all facilities that are included in the Academic/Research and Academic/Research-Outdoor land use categories during a five-year period to 2024 as can be seen in the table below. These space needs are only through the year 2024, and do not include teaching and research areas that are unique to the University of Florida when compared to other State University System schools such as agricultural sciences, veterinary medicine, engineering and medicine. These, and other academic pursuits at the University of Florida, have unique space and equipment needs that do not necessarily fit within the statewide formulas. Much of the academic support need identified in the Educational Plant Survey falls under the category of “study” and identifies shortages in library resources that will be addressed in the Academic/Research Element.

The space need identified in the following table accounts for funded projects under construction or in planning in 2019 including FLM Special Collections, Central Energy Plant and the Data Science & Information Technology (DSIT) Building.

Educational Plant Survey Needs Assessment										
EPS Survey Year Eps survey year : 2018-2019 University : UF										
Report Description	Classroom	Study	Teaching Lab	Office	Research Lab	Auditorium	Instructional Media	Gymnasium	Campus Support Service	Total NASF
<p>This report includes the sum of the room areas rolled up at the University level for the Five Year Educational Plant Survey report. It includes all sites with room spaces that meet the following criteria:</p> <ul style="list-style-type: none"> • Users have been funded using Education General fund category. • Space_needs_exclude flag is N • The space use code is in the following category groups: 01 - CLASSROOM, 02 - TEACHING_LAB, 03 - STUDY, 04 - RESEARCH_LAB, 05 - OFFICE, 06 - AUDITORIUM, 07 - INSTRUCTIONAL_MEDIA, 09 - CAMPUS_SUPPORT_SERVICE, 12 - GYMNASIUM <p>Needs Assessment (Existing Facilities condition)</p>										
Space needs by Space type	333889	689175	417362	1148625	957188	83472	153150	166945	216324	4166129
Satisfactory Space	280611	368456	338109	1200267	546424	68595	5533	43227	141803	2993025
Percent of Space needs met	84 %	53 %	81 %	104 %	57 %	82 %	4 %	26 %	66 %	72 %
Unsatisfactory space to be terminated	-	-	-	-	-	-	-	-	-	-
Unsatisfactory space to be demolished	3927	2959	11141	18931	1216	4252	0	0	1405	43831
Ineligible Space for Space Calculation	4326	1701	10052	49998	83191	12075	0	0	1777	163120
Percent of Space needs met	82 %	53 %	76 %	98 %	48 %	63 %	4 %	26 %	64 %	67 %
Unsatisfactory space with no action required	-	-	-	-	-	-	-	-	-	-
Percent of Space needs met	82 %	53 %	76 %	98 %	48 %	63 %	4 %	26 %	64 %	67 %
Unsatisfactory Space to be Remodeled/Renovated	-	-	-	-	-	-	-	-	-	-
Percent of Space needs met	82 %	53 %	76 %	98 %	48 %	63 %	4 %	26 %	64 %	67 %
Projects under construction	0	993	15238	18709	10338	0	0	0	0	45278
Percent of Space needs met	82 %	53 %	80 %	100 %	49 %	63 %	4 %	26 %	64 %	68 %

II. Campus Master Plan

The Campus Master Plan defines the Academic/Research Land Use in two different classifications. These are intended to segregate those areas targeted for development of typical classroom and laboratory buildings from those academic and research pursuits that utilize pastures, arboretums, orchards, row crops, greenhouses and other such outdoor facilities. The 2015-2025 Future Land Use Element identifies these land use classifications as follows:

- **Academic/Research:** *The Academic/Research land use classification identifies those areas on the campus that are appropriate for academic and research building development. Adjacent land use and proximity to other Academic/Research uses are primary location criteria for Academic/Research in order to consolidate these functions into convenient, walkable clusters of development. Extension, distance and continuing education functions are included in the Academic/Research land use classification and are encouraged to be located on the campus perimeter or satellite properties if they require frequent visitor access. Ancillary uses associated with an academic/research facility, such as integrated food and vending services, utilities, service drives, user and disabled parking, and functional open space are allowed within the Academic/Research land use classification. Development densities, heights and patterns in the Academic/Research land use shall respect pedestrian connections, historic context (where applicable), adjacencies to other land uses and creation of functional open space while maximizing the efficient use of building footprints to the extent feasible within construction budgets and program requirements.*
- **Academic/Research Outdoor:** *The Academic/Research Outdoor land use classification identifies those areas on the campus that are appropriate for agriculture and livestock activities providing teaching, research and extension that require close proximity to other main campus resources or are located on satellite properties away from the main campus. Allowable structure development shall typically include greenhouses, pole barns, equipment storage sheds, and other field support buildings associated with an agricultural, silviculture, aquaculture, livestock or other outdoor teaching and research use. Office, academic/research support, and laboratory structures shall be allowable on conditions that their size, scope and function are related to and compatible with agriculture and livestock activities. Ancillary uses associated with an academic/research outdoor activity, such as utilities, service drives, user and disabled parking, and functional open space are allowed within the Academic/Research Outdoor land use classification.*

The Future Land Use map for 2020-2030 identifies 278 acres in the Academic/Research Land Use classification, and 303 acres in the Academic/Research-Outdoor Land Use classification. This is an increase of 5.4 acres from that identified in the campus master plan as last amended in June 2018.

Based on the Campus Master Plan Future Land Use map, the university contained 11,629,890 gross square feet of building space in the Academic/Research Land Use classification as of June 2020. The 10-year Capital Projects list includes approximately 1,255,000 gross square feet of net new space to be constructed within the Academic/Research and Academic/Research-Outdoor Land Use during in the 10-year plan horizon. Only a very small amount of this space, including greenhouses and a livestock pavilion are anticipated in the Academic/Research-Outdoor areas.

III. Evening Class Offerings

Extending the hours of class offerings is one strategy to increase efficiency of classroom utilization and spread the impacts of parking and transportation beyond the typical operating peak hours. The University of Florida Campus Master Plan, 2000-2010, included a recommendation in Goal 2, Policy 1.1 for increasing night class offerings as a means of dispersing traffic impacts. The University's class offerings after 5:00 PM have fluctuated over time but present a generally declining trend in both number of sections and total enrollment since 2005.

Enrollment for Evening Sections, 2005-2019

Year	Section Count	Enrollment	Change
2005	477	13946	
2006	485	14629	683
2007	491	14862	233
2008	478	15433	571
2009	431	14897	-536
2010	432	13284	-1613
2011	405	12341	-943
2012	413	12449	108
2013	370	10537	-1912
2014	353	10395	-142
2015	344	9413	-982
2016	344	9898	485
2017	350	10591	693
2018	347	9440	-1151
2019	328	7595	-1845

Notes: Source: Fall 2005-2008 submitted IAF; Fall 2009-2019 Submitted SIF

Year: Fall term. Section count is unduplicated.

