Chapter 3: Needs and Requirements

Summary of Major Campus Buildings

The ESU campus is comprised of over 60 buildings. One of the first initiatives as part of the planning process is to complete a walkthrough and preliminary evaluation of the existing campus facilities. A brief summary of the major buildings is provided below along with general observations and recommendations. This chapter also highlights space needs identified through a detailed space utilization study.

Building No. 1, DeNike Center for Human Services houses general classrooms and has laboratory areas and faculty offices for the departments of Health, Nursing, and Recreation and Leisure Services Management. The building was originally constructed in 1937 as grade school laboratory building. The building received a life cycle renovation in 1997.

Building No. 2, LaRue Hall houses laboratories for Speech Pathology and Audiology. The University has identified these spaces for relocation to Monroe Hall, currently planned for renovation. After the Department is relocated to the renovated Monroe Hall, LaRue Hall is scheduled to be demolished to make room for future construction.

Building No. 3, Abeloff Center for the Performing Arts, constructed in 1929 in a prominent location just off College Circle, accommodates approximately 880 people. With the exception of the Arena located in Koehler Fieldhouse, it is the University's largest venue. The building lacks support spaces including appropriate dressing rooms, scene shop, storage and other spaces that would improve its operations. In addition, the lobby is vastly undersized and lacks adequate rest rooms, box office and coat facilities. This building is overdue for a life cycle renovation and expansion.

Building No. 4, One College Circle (President's Residence) The President's Residence was constructed in 1929 and has been an icon on the ESU campus for over 80 years. However, its current setting is much different than when it was originally constructed. Campus development has resulted in a President's Residence that lacks privacy. Its future continuation as a residence is in question. The building received a life cycle renovation in 1996/97 and is in good condition.

Building No. 5, Reibman Administration This administration building currently houses the President's Office, Vice Presidents, Human Resources, University Relations, Institutional Research, and Admissions, in a new wing, and several conference rooms. It is efficiently laid out and appears to be fully occupied. The basic building was constructed in 1972 and is overdue for a life cycle renovation. The Admissions wing was constructed in 2003.

Building No. 6, Gessner Science Hall presently contains laboratories for the Physics department. Some former occupants of Gessner (the Chemistry Department) recently relocated to the newly constructed Hoeffner Science and Technology Center and the vacated space is under consideration for new uses (expanded Physics Department spaces, Exercise Department spaces and general classrooms). Gessner Science Hall was constructed in 1960 and received a life cycle renovation in 1994.

Building No. 8, Computing Center This building is a masonry building housing the administrative computing functions. This building was originally constructed in 1952 as the Campus laundry. In 1974, the building was renovated as the University Computing Center. The building is due for a life cycle renovation. The Computing Services Department has outgrown the building. The building is small and inefficient and occupies valuable real estate in the center of the Campus.

Building 9, Stroud Hall is the primary academic building on Campus. This four-story classroom building contains lecture halls, computer and language laboratories, instructional spaces and office areas for many academic departments. During the summer of 2007, the building HVAC system was upgraded. The building was originally constructed in two phases in 1967 and 1969. Except for the HVAC system, the building is overdue for a life cycle renovation.

Stroud Hall houses many, but not all, members of the following departments/schools: Education, English, Sociology, History, Political Science, Psychology, Geography, Foreign Language, Economics, and Academic Computing.

Building No. 10, McGarry Communications Center is the Campus base for the Instructional Resources Department which includes the audiovisual, graphics, and television services units. The Communication Center houses two television studios and is the distribution center of campus cable television as well as the community-wide ESU television telecasts. WESS 90.3 FM radio is also located in the Center. This building was constructed in 1969 and is overdue for a life cycle renovation.

Building No. 11, Eiler-Martin Stadium The Stadium consists of the home side permanent bleachers with a press box on top and restrooms and storage underneath. The Stadium also includes a combination football and soccer field with artificial turf, a track and space for track and field events with synthetic surfaces. The main stadium bleachers were constructed in 1969, the restrooms were added in 1976, the current press box was constructed in 1988, the current synthetic track was upgraded in 2005, the field lighting was added in 2007, and the synthetic turf was added in 2008. The main Stadium bleachers are in need of a life cycle renovation.

Building No. 12, Rosenkrans Hall The building houses, computer labs, teaching labs, tutoring labs, conference rooms and faculty and staff offices. The Media Communications and Technology Department, the Academic Support and Tutoring programs, the Deans of the Colleges of Arts and Sciences, Business and Management, Education and Health Sciences, the Business Office and the Director of Procurement and Contracting are housed in the building.

Rosenkrans Hall was originally constructed in 1960 as the University's library and administration building. Once the library functions moved out of the building, other programs were moved into the building with only minor renovations. The building is overdue for a life cycle renovation. In addition, this primarily one story building is very inefficient and occupies very valuable real estate in the core of the Campus.

Building No. 13, Zimbar-Liljenstein Hall houses many student services offices such as the Registrar, Financial Aid, Student Accounts, and graduate student offices. In addition, it also houses several general classrooms, a teaching gymnasium, scheduled as an instructional space for the School of Health Science and Human Performance, and the Rose Mekeel Day Care Center. This building was originally constructed in 1938 as the primary gymnasium. The building received a life cycle renovation and addition in 2003 and is in very good condition. It should be noted that the building is fully occupied at the present time and has very minimal opportunity for departmental expansion.

Building No. 14, Center for Hospitality Management includes the Hotel, Restaurant and Tourism Management Department, P&Js, a small café run by HRTM, and the Keystone Room, the University's largest multi-purpose room. The majority of this building is one story, making the site underutilized when considering its central campus location and its adjacency to the University Center and Stroud Hall.

Building No. 15, University Center includes a food court, convenience store, game room, the University Book Store, the Student Senate meeting room, student offices, Career Services, Campus Card Center and several lounges and meeting rooms. The building was originally constructed in 1968 and received a life cycle renovation and expansion in 1963. The building is in good condition and its central location is ideal, but it is undersized for the number of students it serves.

A separate study regarding the detailed needs of the University Center was completed to this Master Plan. Its findings have been incorporated.

Building No. 16, Facilities Management Complex This building houses offices for most of the staff of the Facilities Management Department on the first floor and the Electric and HVAC/Plumbing shops on the ground floor. The building was originally constructed in 1929; it was renovated in 1970. The building is overdue for a life cycle renovation. The building is situated in the core of the Campus on very valuable real estate. The functions in the building do not need to be in the center of the Campus and could be moved to the periphery of the Campus.

Building No. 17, Utility Plant The building was originally constructed in 1929 as the Campus central steam plant; an addition was added to the east side of the building in the 1950s, and a Butler style metal building was added to the back of the Utility Plant to house Boiler #5. The building houses four steam boilers as follows: Boiler #3 is a Titusville coal fired unit that was installed in 1960 and converted to a gas and oil fired boiler in 1971; Boiler #4 is a Keeler gas and oil fired unit installed in 1971; Boiler #5 is a Cleaver-Brooks gas and oil fired boiler that was transferred from another state institution in 1980; and Boiler #2, a Superior gas and oil fired boiler was installed in 1997. Although the building received a partial life cycle renovation in 1997, many building and plant systems are

overdue for a life cycle renovation. Boilers #3 and #4 are due for replacement.

Building No. 18, Institutional Storeroom and Garage This building was constructed in 1963 and is overdue for a life cycle renovation. The building houses the storeroom, shipping and receiving functions, the mailroom, the grounds shop and equipment maintenance functions, and some Facilities Department staff functions. This building is located on very valuable real estate near the center of the Campus. The functions in the building could be relocated to a more peripheral area of campus.

Building No. 19, Dansbury Commons The building was constructed in 1969 as the Campus dining hall. Dansbury Commons includes a dining area with a capacity of 880 seats, serverys, kitchens and a multi-purpose room on the ground floor. The Dansbury Commons has a capacity of 880 seats. The servery and dining areas were renovated in 1994 but the basic buildings and systems are overdue for a life cycle renovation. As the University's only dining hall, it is oversubscribed and also lacks the ability to support the University's growing desire for larger on campus conference functions.

Building No. 22, Flagler- Metzgar (Health) Center The Health Center is a two story building located adjacent to the Dansbury Commons. In addition to the University's Health Center, it also houses the Counseling Center and the Judicial Affairs Offices. The building was constructed in 1973 and is due for a life cycle renovation. The health center functions have out grown the capacity of the building.

285 Normal Street (Trio / Upward Bound Building) This building was originally constructed in 1919 as an Army infirmary building and moved the Campus in the 1960s. It presently houses the Upward Bound Department and offices for APSCUF and AFSCME. This building is in bad shape and should be

demolished as soon as the functions housed in the building can be relocated.

Building No. 24, Laurel Residence Hall This building was constructed in 1960 as a dormitory and presently houses both male and female students. This residence hall is double loaded corridor style housing. The building has been reasonably well maintained including the installation of a sprinkler system and addressable fire alarm system in each student room in 2004. The building does not have an elevator and none of the entrances are accessible. The building is overdue for a life cycle renovation. The students like this residence hall because it is on the residential Quad adjacent to the University Center.

Building No. 25, Monroe Hall This building was constructed in 1941 as a double loaded corridor dormitory. The building was taken out of service as a residence hall in the fall of 2005 because the University determined that it would be too expensive for the auxiliary residence hall reserve fund to renovate the building and install sprinkler and fire alarm systems recently mandated by Commonwealth law. The building is currently being used as temporary office space for faculty and staff. A capital project has been approved by the Legislature and the Board of Governors to renovate the building to provide departmental offices, instructional labs and clinic space for Speech Pathology and Audiology Department, and general classrooms and faculty office space for the Communications Studies Department.

Building No. 26, Minsi Residence Hall This building was constructed in 1965 as a dormitory and presently houses both male and female students. Additionally, this residence hall houses the international students. This residence hall is double loaded corridor style housing. The building has been reasonably well maintained including the installation of a sprinkler system and addressable fire alarm system in each student room in 2002. The building is overdue for a life cycle

renovation. The building has a desirable location at the southeast corner of the residential Quad.

Building No. 27, Shawnee Residence Hall This building was constructed in 1952 as a dormitory and presently houses both male and female students. Additionally, this residence hall houses the Residence Life offices. This residence hall is double loaded corridor style housing. The building has been reasonably well maintained including the installation of a sprinkler system and addressable fire alarm system in each student room in 2004. The building is overdue for a life cycle renovation. The building has a desirable location at the east end of the residential Quad.

Building No. 28, Linden Residence Hall This building was constructed in 1963 as a dormitory and presently houses both male and female students. This residence hall is double loaded corridor style housing. The building has been reasonably well maintained including the installation of a sprinkler system and addressable fire alarm system in each student room in 2002. The building is overdue for a life cycle renovation.

Building No. 29, 350 Normal Street (University Police) This building was constructed in 1902 as a private residence. The building was renovated and expanded in 2005 to house the University Police and the Health and Safety Officer.

Building No. 30, Hawthorn Residence Hall This building was constructed in 1966 as a dormitory and presently houses both male and female students; until a few years ago, it was an all female residence hall. This residence hall has a ground floor with lobby, lounges, and other support areas and six additional floors of double loaded corridor style student rooms. The building has been reasonably well maintained including the installation of a sprinkler system and addressable fire alarm system in each student room in 2001. The building is overdue for a life cycle renovation.

Building No. 31, Hemlock Residence Hall This building was constructed in 1971 as a dormitory and presently houses both male and female students. This residence hall has a first floor with lobby, lounges, and other support areas and five additional floors of double loaded corridor style student rooms. The building has been reasonably well maintained including the installation of a sprinkler system and addressable fire alarm system in each student room in 2003. The building is due for a life cycle renovation.

Building No. 32, Lenape Residence Hall This building was constructed in 1972 as a dormitory and presently houses both male and female students. This residence hall has a ground floor with lobby, lounges, and other support areas and six additional floors of double loaded corridor style student rooms. The building has been reasonably well maintained including the installation of a sprinkler system and addressable fire alarm system in each student room in 2005. The building is due for a life cycle renovation. It is noted that these three high rise residence halls (Hawthorn, Hemlock and Lenape) are the least favorites of the students of the eight residence halls.

Building No. 33, Koehler Fieldhouse and Natatorium provides academic instructional space for departments of the School of Health Science and Human Performance and also provides space for the Athletic Department. Significant space shortages exist relating to faculty and coach office space and the scheduling conflicts for shared spaces such as the arena – this space is heavily used from 6:00 AM to after midnight during the spring and fall semesters. Many spaces are undersized for the functions they serve and are also outdated.

This building accommodates offices and instructional spaces for Health Education, Exercise Science, Movement/Lifetime Studies, Sport Studies, and Health Education. It also houses Athletic staff and coaches offices, and student practice/ competition spaces. Koehler was constructed in 1967 and is overdue of a major life cycle renovation.

Building No. 36, Kemp Library was constructed in 1979 at the same time as the Fine and Performing Arts Center. As part of this Master Plan Study, a library consultant was retained to assess the adequacy of this facility and the need for renovation. The complete findings are included in Appendix C of this report. Improvements are recommended to ensure the University continues to provide state-of-the-art academic facilities. A perceived problem with the Library is its location at the edge of northeast corner of the academic core area.

Building No. 37, Moore Biology Hall contains the Biology Department, Biology laboratories, a large group lecture hall, a greenhouse and wildlife museum. This building was constructed in 1976 and is generally adequate for its present functions as additional program space in provided in the Science and Technology Center.

Building No. 38, Fine and Performing Arts Center consists of two theatres, a gallery, concert hall, rehearsal areas, various art studios, and two classrooms. The Art, Music, Theater and Communication Studies departments are currently housed in this facility. The location of this building is considered remote from the academic core of Campus. It is interesting to note that it was constructed in 1979 at the same time as the Kemp Library, another building viewed as being remote from the Campus core.

Building No. 54, University Apartments This building was constructed in 1970 by a private developer to provide off Campus housing for students. In 1987, the University purchased the property. The building is constructed like three end to end buildings with independent apartments. Each apartment unit has three double occupancy bedrooms, two bathrooms, a kitchenette and a living room-study area. There is one small central lounge and laundry area. The students pay a slight premium for these apartments because they have kitchenettes and consequently can take a lower cost meal plan.

Even though the University Apartments are the newest "residence hall" in terms of age, they were originally cheaply constructed and are considered on the edge of beyond economical repair. As with the other current residence halls, a sprinkler system and addressable fire alarm system were installed in the building in 2001.

Building No. 59, Joseph H. and Mildred E. Beers Lecture Hall, which opened in 1997, is a stand-alone lecture hall that seats 140 students and serves as a distance learning facility. It serves the University well and is conveniently located on College Circle near Stroud and Gessner Science Halls.

Building No. 68, The Henry A. Ahnert Jr. Alumni Center The Alumni Center provides administrative offices and a limited amount of conference space to support the University's Advancement, Foundation and Alumni Association related activities. Even though the building was constructed in 2003, the Advancement and Alumni programs already need additional space.

Building No. 69, Student Recreation Center The Recreation Center was completed in 2003 to rectify severe space shortages in student recreation activities. The relatively new facility has enjoyed such success that it is facing pressure for additional space.

Building No. 70, Warren E. and Sandra Hoeffner Science and Technology Center is the newest academic building on Campus, recently completed and occupied in fall 2008. It contains state-of-the-art academic space primarily for the Math, Computer Science, and Chemistry departments, the Biotechnology program, as well as technology-enriched general purpose classrooms and a planetarium.

Various Single Family Houses within the Borough's University-designated zone have been purchased during the past ten years or so. These houses presently serve as interim overflow office space for a number of academic departments including, Philosophy, Economics, Business Management, Athletic offices, DNA Lab, Honors Program and the Center for Research and Economic Development. While these houses are serviceable, many of the occupants are separated from others in their departments and/or others in their respective schools. In addition, because the houses are not purpose built office space, they are inefficient in layout and design and their square footage adds a disproportionate amount of office square footage in comparison to the number of individuals served. Ideally, the occupants will be consolidated into other facilities on campus and the structures will be removed as the University combines them into larger parcels suitable for future university-scale construction.

Campus Space Inventory

The chart on the following pages illustrates the distribution of square footage by building according to the Pennsylvania space guidelines.

State System of Higher Education
Facilities Data Report
February-06

Inactive
Not in Data Base
Needs Updating

EAST STROUDSBURG UNIVERSITY

Educational & General Space

Bldg. No.	Building Name	050/060/070 Unclassified	110/115 Classroom	210/220 Teaching Laboratories	250/255 Research Laboratories	300/360 Office/ Conf. Rooms	400 Library	510 Armory	520 Athletic Facility/Indoor	525 Athletic Facility/Outdoor	530 Media Production	540 Clinic	550 Demonstration	560 Field Buildings	570/575 Animal Quarters
1	DeNike Human Services		4,329	2,947		5,664									
2	LaRue Hall		888	131	856	899									
3	Abeloff Convocation Center														
4	President's Residence														
5	Reibman Administration					8,846									
6	Gessner Science Hall		947	10,723		4,568									
8	Computer Center					3,234									
9	Stroud Hall Phase I and II		28,859	10,927		21,818									
10	McGarry Comm. Center			4,706		1,331									
11	Eiler-Martin Stadium								3,200						
12	Rosenkrans Hall East & West		5,080	3,508		8,506									
13	Zimbar-Liljenstein Hall		3,618	860		12,557			6,855						
14	Center for Hospitality Mngt.		2,944	4,350		1,142									
16	Facilities Management Complex					1,325									
17	Utility Plant														
18	Institutional Storeroom and Garage					577									
20	D.G.S. Field Office					846									
21	Facilities Management Annex					260									
22	Flagler-Metzger Center					3,962									
23	285 Normal St. (Upward Bd.)					1,304									
25	Monroe Hall	15,273													
29	350 Normal St (University Police)					1,442									
33	Koehler Fieldhouse		4,415	5,098		6,380			97,098						
34	Carlyon Pavilion														
35	Observatory			980											
36	Kemp Library					4,418	69,132								
37	Moore Biology		3,286	6,571	6,078	2,321									
38	Fine & Performing Arts Center		3,985	3,890		5,173									
39	208 Smith St (Phy. Therapy)					1,134									
40	420 Normal St.					1,313									
42	106 Smith St. Barn & Storage														
43	Mitterling Field Storage														
44	Hineline Field Storage														
45	Whitenight Field Storage														
46	350 Normal St. Storage														
47	100 Normal St. House					2,227									
49	Zimbar Field Storage														
50	Main Power Pad														
51	216 Normal St. Offices					5,994									
52	Information, Police, & Safety	2136													
53	103 Smith St (Unt. Camp. Min.)					205									
55	216 Smith St.					618									
59	Beer's Lecture Hall		2,156												
60	96 Normal St.					1162									
61	434 Normal St.					1087									
62	411 Normal St.					794									
63	427 Normal St.	1505													
64	162 Marguerite St.					425									
65	417 Normal St.					969									
66	432 Normal St.					560									
67	433 Normal St.	2041													
68	Henry A. Ahnert Jr. Alumni Center					3978									
71	157 Marguerite St.	1420													
72	403 Normal St.					1,021									
73	428 Normal St.					1173									
74	407 Normal St.	908													
T1	LaRue Annex 1					612									
T2	LaRue Annex 2					771									
T3	Moore Annex 1		796												
T4	Moore Annex 2	796													
Total E & G Sq. Ft. by Code		**24,079**	**61,303**	**54,691**	**6,934**	**120,616**	**69,132**	**0**	**107,153**	**0**	**0**	**0**	**0**	**0**	**0**

State System of Higher Educ
Facilities Data Report
February-06

EAST STROUDSBURG UNIVERSITY

Educational & General Space

Bldg. No.	Building Name	580/585 Greenhouse	610/620 Assembly/ Exhibition	630/635 Food Facility	640/645 Day Care	650/660 Lounge/ Merchandising	670/675 Recreational	680/685 Meeting Rooms	710/715 Central Computer	720/730/740/750 Shop/Storage Vehicle	770 Utility Production	800 Health Care	900 Residence Halls	970 Pres Res. 980 Student Union	Total NSF	Total GSF
1	DeNike Human Services														12,940	32,630
2	LaRue Hall														2,774	4,811
3	Abeloff Convocation Center		9,253												9,253	11,855
4	President's Residence												6567		6,567	7,419
5	Reibman Administration														8,846	16,428
6	Gessner Science Hall									1,323					17,561	27,515
8	Computer Center								1,480						4,714	7,450
9	Stroud Hall Phase I and II									2,905					64,509	107,756
10	McGarry Comm. Center									1,635					7,672	14,431
11	Eiler-Martin Stadium									1,680					4,880	7,393
12	Rosenkrans Hall East & West									3,249					20,343	31,806
13	Zimbar-Lilyenstein Hall				3,611	88		225							27,814	44,525
14	Center for Hospitality Mngt.							7,417		4,670					20,523	30,285
16	Facilities Management Complex									1,701					3,026	5,057
17	Utility Plant										9,301				9,301	10,684
18	Institutional Storeroom and Garage									6,339					7,416	8,266
20	D.G.S. Field Office									200					1,046	1,629
21	Facilities Management Annex									2,345					2,605	3,244
22	Flagler-Metzger Center									387		2,149			6,498	15,714
23	285 Normal St. (Upward Bd.)									210					1,514	2,753
25	Monroe Hall														15,273	28,792
29	350 Normal St.(University Police)														1,442	4,508
33	Koehler Fieldhouse														112,991	165,955
34	Curlyon Pavilion						1,920								1,920	1,920
35	Observatory														980	1,323
36	Kemp Library									1,722					75,272	92,810
37	Moore Biology	2,547								874					21,677	39,436
38	Fine & Performing Arts Center		21,008							3,544					37,600	60,629
39	208 Smith St (Phy. Therapy)									440					1,574	2,772
40	420 Normal St.									1,519					2,832	3,540
42	106 Smith St. Barn & Storage									4,350					4,350	4,830
43	Mitterling Field Storage									1,450					1,450	1,764
44	Hineline Field Storage									341					341	384
45	Whitenight Field Storage									341					341	384
46	350 Normal St. Storage									341					341	360
47	100 Normal St. House														2,227	3,781
49	Zimbar Field Storage									70					70	80
50	Main Power Pad										770				770	800
51	216 Normal St. Offices									66					6,000	9,665
52	Information, Police, & Safety														2,136	3,462
53	103 Smith St (Unt. Camp. Min.)									413			398		1,016	1,973
55	216 Smith St.														618	1,664
59	Beer's Lecture Hall														2,156	3,536
60	96 Normal St.									808					1,970	2,633
61	434 Normal St.									1141					2,228	2,971
62	411 Normal St.														704	2,234
63	427 Normal St.														1,505	3,400
64	162 Marguerite St.									266					691	1,394
65	417 Normal St.														969	2,106
66	432 Normal St.									527					1,087	1,560
67	433 Normal St.														2,041	2,568
68	Henry A. Ahnert Jr. Alumni Center							1347							5,325	9,319
71	157 Marguerite St.														1,420	2,640
72	403 Normal St.								$182						1,203	1,822
73	428 Normal St.									620					1,793	3,072
74	407 Normal St.														908	2,186
T1	LaRue Annex 1								136						748	855
T2	LaRue Annex 2														771	855
T3	Moore Annex 1														706	855
T4	Moore Annex 2														706	855
Total E & G Sq. Ft. by Code		2,547	30,261	0	3,611	88	1,920	8,989	1,798	45,977	10,071	2,149	6,965	0	558,284	867,944

Auxiliary Space

Bldg. No.	Building Name	050/060/070 Unclassified	110/115 Classroom	210/220 Teaching Laboratories	250/255 Research Laboratories	300/360 Office/ Conf. Rooms	400 Library	510 Armory	520 Athletic Facility	525 Athletic Facility/Outdoor	530 Media Production	540 Clinic	550 Demonstration	560 Field Buildings	570/575 Animal Quarters
15	University Center					1,462									
19	Dansburry Commons					637									
24	Laurel Residence Hall														
26	Minni Residence Hall														
27	Shawnee Residence Hall														
28	Linden Residence Hall														
30	Hawthorn Residence Hall														
31	Hemlock Residence Hall														
32	Lenape Residence Hall														
54	University Apartments														
69	Student Recreation Center					264									
Total Auxiliary Sq. Ft. by Code		**0**	**0**	**0**	**0**	**2,363**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total Auxiliary Sq. Ft.															

Leased Educational & General Space

Bldg. No.	Building Name	050/060/070 Unclassified	110/115 Classroom	210/220 Teaching Laboratories	250/255 Research Laboratories	300/360 Office/ Conf. Rooms	400 Library	510 Armory	520 Athletic Facility	525 Athletic Facility/Outdoor	530 Media Production	540 Clinic	550 Demonstration	560 Field Buildings	570/575 Animal Quarters
			0												
			0												
Total Leased E&G Sq. Ft. by Code			**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total Leased E&G Sq. Ft.															

EAST STROUDSBURG UNIVERSITY

Bldg. No.	Building Name	050/060/070 Unclassified	110/115 Classroom	210/220 Teaching Laboratories	250/255 Research Laboratories	300/360 Office/ Conf. Rooms	400 Library	510 Armory	520 Athletic Facility	525 Athletic Facility/Outdoor	530 Media Production	540 Clinic	550 Demonstration	560 Field Buildings	570/575 Animal Quarters
Total E & G Sq. Ft. by Code		24,079	61,303	54,691	6,934	120,616	69,132	0	107,153	0	0	0	0	0	0
Total Auxiliary Sq. Ft. by Code		0	0	0	0	2,363	0	0	0	0	0	0	0	0	0
Total All Sq. Ft. by Code		24,079	61,303	54,691	6,934	122,979	69,132	0	107,153	0	0	0	0	0	0

Auxiliary Space

Bldg. No.	Building Name	580/585 Greenhouse	610/620 Assembly	630/635 Food Facility	640/645 Day Care	650/660 Lounge/ Merchandising	670/675 Recreational	680/685 Meeting Rooms	710/715 Central Computer	720/730/740/750 Shop/Storage Vehicle	770 Utility Production	800 Health Care	900 Residence Halls	980 Student Union	=	Total NSF	Total GSF
15	University Center													43,759		**45,221**	**67,710**
19	Dansburry Commons			29,991						941						**31,569**	**48,211**
24	Laurel Residence Hall												29,024			**29,024**	**49,917**
26	Minni Residence Hall												33,453			**33,453**	**48,300**
27	Shawnee Residence Hall												29,436			**29,436**	**48,595**
28	Linden Residence Hall												29,584			**29,584**	**53,175**
30	Hawthorn Residence Hall												40,668			**40,668**	**70,658**
31	Hemlock Residence Hall												38,904			**38,904**	**67,715**
32	Lenape Residence Hall												41,848			**41,848**	**72,212**
54	University Apartments												29,682			**29,682**	**52,877**
69	Student Recreation Center						49,891									**50,155**	**59,930**
Total Auxiliary Sq. Ft. by Code		**0**	**0**	**29,991**	**0**	**0**	**49,891**	**0**	**0**	**941**	**0**	**0**	**272,599**	**43,759**		**399,544**	**639,300**
Total Auxiliary Sq. Ft.																	

Leased Educational & General Space

Bldg. No.	Building Name	580/585 Greenhouse	610/620 Assembly	630/635 Food Facility	640/645 Day Care	650/660 Lounge/ Merchandising	670/675 Recreational	680/685 Meeting Rooms	710/715 Central Computer	720/730/740/750 Shop/Storage Vehicle	770 Utility Production	800 Health Care	900 Residence Halls	980 Student Union	=	Total NSF	Total GSF
																0	**0**
																0	**0**
Total Leased E&G Sq. Ft. by Code		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**0**	**0**
Total Leased E&G Sq. Ft.																	

EAST STROUDSBURG UNIVERSITY

Bldg. No.	Building Name	580/585 Greenhouse	610/620 Assembly	630/635 Food Facility	640/645 Day Care	650/660 Lounge/ Merchandising	670/675 Recreational	680/685 Meeting Rooms	710/715 Central Computer	720/730/740/750 Shop/Storage Vehicle	770 Utility Production	800 Health Care	900 Residence Halls	980 Student Union	=	Total NSF	Total GSF/ Replacement Cost
Total E & G Sq. Ft. by Code		2,547	30,261	0	3,611	88	1,920	8,989	1,798	45,977	10,071	2,149	6,965	0		558,284	867,944
Total Auxiliary Sq. Ft. by Code		0	0	29,991	0	0	49,891	0	0	941	0	0	272,599	43,759		399,544	639,300
Total All Sq. Ft. by Code		2,547	30,261	29,991	3,611	88	51,811	8,989	1,798	46,918	10,071	2,149	279,564	43,759		957,828	1,507,244
Total All Sq. Ft.																	
																	1,507,244

University Projections

Enrollment
East Stroudsburg University is a comprehensive public institution comprised of four university colleges: College of Arts and Sciences; College of Business and Management; College of Education; and College of Health Sciences.

At the outset of this Master Plan study in fall 2006, the enrollment was 7,013 student headcount (6,148 FTE). After considerable discussion, the University decided to base this Campus Facilities Master Plan on planned enrollment growth to 8,500 student headcount (7,452 FTE) over the next 10 to 15 years. The University considers that growth to at least 10,000 students is possible but set a target of 8,500 students based on the University's vision to remain "a small university with a small college climate".

As of the fall of 2006, there were 312 full-time faculty members and 444 non-faculty personnel. The faculty and staff are projected to grow commensurate with the growth in enrollment and Campus facilities.

Shifts in Curricula
ESU offers over 60 undergraduate and 20 graduate degree programs. No significant changes to the basic curriculum offerings are contemplated.

PERTINENT INFORMATION RELATING TO PHYSICAL PLANNING

Academic Areas

Classroom Space and Utilization

Based on Registrar data received at the beginning of the Master Plan process, a total of sixty-two general purpose classrooms are located in eleven buildings across Campus. The campus-wide distribution by building is as follows:

Beers Lecture Hall	1
DeNike Center	5
Fine & Performing Arts Center	3
Gessner Science Hall	1
Center for Hospitality Management	3
Koehler Fieldhouse	5
LaRue Hall	1
Moore Biology Hall	3
Rosenkrans Hall	2
Stroud Hall	33
Zimbar Hall	5
Total Classrooms:	62

The distribution of classroom sizes based on the Pennsylvania State Guidelines of 20 square feet per seat is as follows:

Room Capacity	No. of Classrooms
< 15 Seats	1
16 – 20	3
21 – 25	6
26 – 30	39
31 – 35	3
36 – 40	4
41 – 45	1
46 – 50	0
51 – 64	0
≥ 65	5
	62

[Note: The University class schedules were changed in 2008.]

Based on the above distribution, close to 63% of the University's classrooms have a capacity of 26-30 seats. A classroom utilization study examined the number of courses offered in general purpose classrooms during fall 2006 and evaluated their distribution in relation to the existing room capacities for both daytime and evening classes. For the purposes of this study, the following Pennsylvania State System of Higher Education standards are used with respect to classroom space utilization:

Maximum Hours of Use:	50 hours*
Room Use Rate:	75%
Station Occupancy Rate	67%
Number of SF per Station:	20

* 8am-6pm Mon-Fri for planning purposes

H2l2 examined the time period between 8 am - 5:35 pm M-F as this time frame represented complete time periods based on the University's course grid at the time and yields approximately 48 maximum hours (47.92 actual hours). The analyses in the charts below indicate classroom needs based on the above guidelines.

Changes in pedagogy toward an educational model involving innovative teaching methods, increased group work and discussions challenge the Pennsylvania classroom space guidelines currently in place. Environments supporting collaborative learning in the classrooms work best with different furniture and arrangements than what presently exist in most of ESU's general instructional spaces. It should be noted that the Pennsylvania guideline of 20 sf per station for general purpose classrooms may not be adequate to meet this change in pedagogy. No new guidelines or standards have been adopted by Pennsylvania at the time of this report. However, a suggestion of 30 square feet per station appears adequate. It is suggested that ESU create several mockup layouts with different furniture types to test several options.

The net effect of this change, however, is a reduction in the overall capacity of the room, resulting in further difficulties in ESU's

classroom facilities to be able to satisfy its potential instructional needs.

Daytime (8am-6pm):
Based on the scheduling grid in use at ESU during fall 2006, a total of 16 complete weekly class periods were available for scheduling between the hours of 8am and 5:35pm, Monday through Friday. The Pennsylvania guideline of a 75% weekly utilization target yields a daytime target of scheduling each room for 12 courses weekly. The chart below illustrates the calculations comparing ESU's current class size to room size.

Classroom Utilization Guidelines:
Monday - Friday 8:00 am - 5:35 pm = 48 Total Hours per Week
Hours Available for Scheduling: 41 Hours and 40 Minutes per Week
PA Guideline Recommended Room Utilization Target: 75% (31.25 hours per Week)
** **PA Guideline Recommended Station Occupancy: 67%**
Number of Potential Scheduled Periods per Week: 16
Target Number of Potentially Scheduled Periods per Week: 12 (16 x .75 = 12)

PA Guidelines Classroom Analysis For Current Enrollment:

	A	B	C	D	E	F	G	H
			Current	# of Rooms				
		No. of	# of Courses	Needed Based on	Current		Current	Total
	Room	Classrooms	w/Enrollment	12 of 16 time slots	Classroom	Avg. s.f./	Estimated s.f.	s.f. of Classroom
1	Capacity	that Size	67% of Room Size	scheduled Per Week	(Shortage)/Surplus	Classroom	(Shortage)/Surplus	space needed
2	≤ 15 Seats	1	33	3	(2)	300	(600)	900
3	16 - 20	3	26	3	0	400	0	1,200
4	21 - 25	6	54	5	1	500	500	2,500
5	26 - 30	39	71	6	33	600	19,800	3,600
6	31-35	3	107	9	(6)	700	(4,200)	6,300
7	36-40	4	67	6	(2)	800	(1,600)	4,800
8	41-45	1	32	3	(2)	900	(1,800)	2,700
9	46-50	0	56	5	(5)	1000	(5,000)	5,000
10	51-64	0	244	21	(21)	1280	(26,880)	26,880
11	≥65	5	103	9	(4)	2000	(8,000)	18,000
		62	793	70			(27,780)	71,880

This level of analysis indicates that there is a clear mismatch of room size with respect to course size as illustrated by the fact that there is an excess of 33 classrooms in the 26-30 seat capacity and shortages of rooms in the size category of 31-35 and above. The mismatch of room sizes and an overall shortage of classrooms (70 needed vs. 62 existing identified in Columns B and D of the previous chart) results in a classroom need of almost 28,000 additional square feet of classroom space to accommodate the current enrollment. Some of these needs were satisfied with the completion of the new Science and Technology Building and others will be satisfied with the renovation of Monroe Hall. It must be noted that the shortage of larger classrooms is a need that will remain to be addressed largely through the construction of a future academic building.

The chart below illustrates a potential option associated with modifying the Pennsylvania State guideline for station occupancy from 67% to 100%, which suggests that the University will endeavor to fill all seats in each room. Looking at the data this way reduces the overall square footage required, essentially stating that a room which seats 40 students is suitable for a class of 40, rather than a class of 26 or 27 students. Approximately the same overall numbers of classrooms are required; however the classes are permitted to fit into smaller rooms, reducing the overall square foot shortage for classrooms. The Pennsylvania State guideline for a 75% weekly room utilization is retained in this calculation.

H2L2 Modified Classrom Utilization Guidelines:
Monday - Friday 8:00 am - 5:35 pm = 48 Total Hours per Week
Hours Available for Scheduling: 41 Hours and 40 Minutes per Week
PA Guideline Recommended Room Utilization Target: 75% (31.25 hours per Week)
** H2L2 Suggested Guideline for Station Occupancy: 100%
Number of Potential Scheduled Periods per Week: 16
Target Number of Potentially Scheduled Periods per Week: 12 (16 x .75 = 12)

PA Guidelines Classroom Analysis For Current Enrollment:

	A	B	C	D	E	F	G	H
			Current	# of Rooms				
		No. of	# of Courses	Needed Based on	Current		Current	Total
	Room	Classrooms	w/Enrollment	12 of 16 time slots	Classroom	Avg. s.f./	Estimated s.f.	s.f. of Classroom
1	Capacity	that Size	100% of Room Size	scheduled Per Week	(Shortage)/Surplus	Classroom	(Shortage)/Surplus	space needed
2	≤ 15 Seats	1	85	8	(7)	300	(2,100)	2,400
3	16 - 20	3	99	9	(6)	400	(2,400)	3,600
4	21 - 25	6	145	13	(7)	500	(3,500)	6,500
5	26 - 30	39	61	6	33	600	19,800	3,600
6	31-35	3	70	6	(3)	700	(2,100)	4,200
7	36-40	4	151	13	(9)	1000	(9,000)	13,000
8	41-45	1	122	11	(10)	1125	(11,250)	12,375
9	46-50	0	32	3	(3)	1250	(3,750)	3,750
10	51-64	0	8	1	(1)	1600	(1,600)	1,600
11	≥65	5	20	2	3	2000	6,000	4,000
		62	793	72			(9,900)	55,025

Assuming a similar ratio of enrollment distribution and a proportional increase in course offerings, the proposed classroom needs for 8500 students is as follows:

H2L2 Modified Classrom Utilization Guidelines:

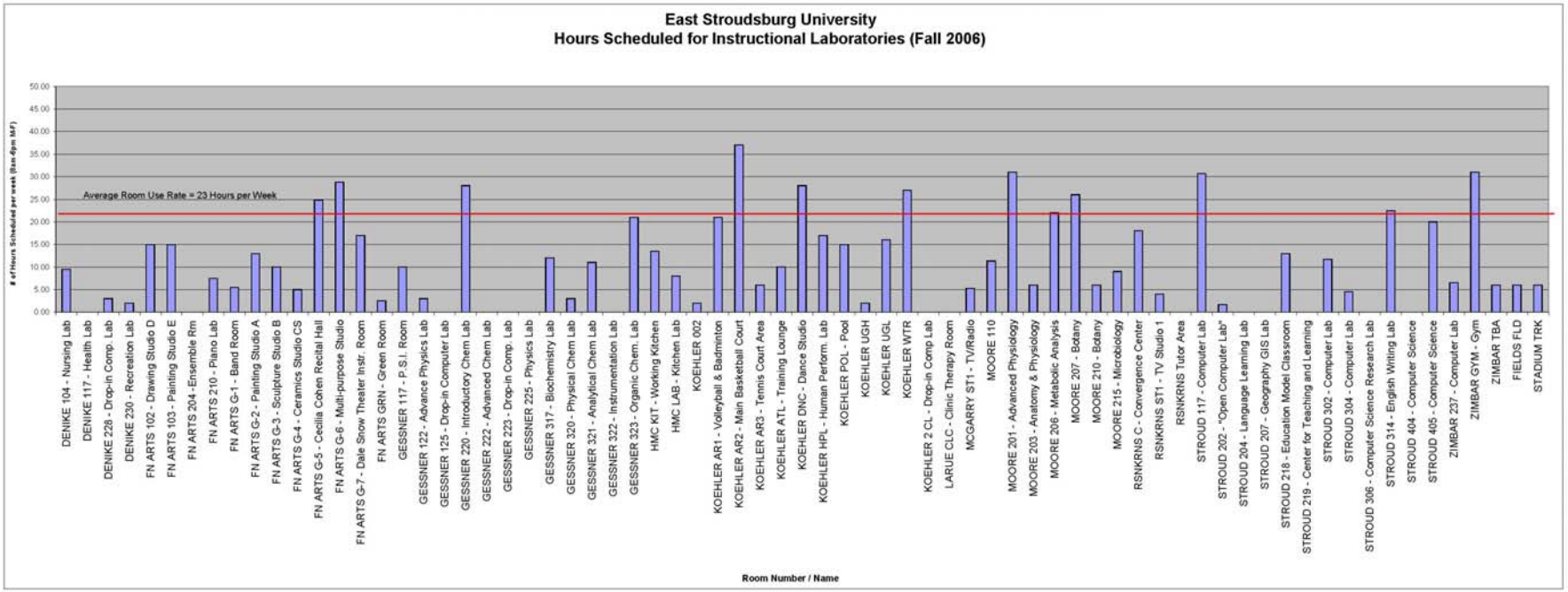
Monday - Friday 8:00 am - 5:35 pm = 48 Total Hours per Week
Hours Available for Scheduling: 41 Hours and 40 Minutes per Week
PA Guideline Recommended Room Utilization Target: 75% (31.25 hours per Week)
** H2L2 Suggested Guideline for Station Occupancy: 100%
Number of Potential Scheduled Periods per Week: 16
Target Number of Potentially Scheduled Periods per Week: 12 (16 x .75 = 12)

PA Guidelines Classroom Analysis For Proposed Enrollment of 8500 Students:

	A	B	C	C-1	D	E	F	G	H
			Current	Proposed	# of Rooms				
		No. of	# of Courses	# of Courses	Needed Based on	Current		Current	Total
	Room	Classrooms	w/Enrollment	for 8500 Students	12 of 16 time slots	Classroom	Avg. s.f./	Estimated s.f.	s.f. of Classroom
1	Capacity	that Size	100% of Room Size	(Column C x 1.212)	scheduled Per Week	(Short)/Surplus	Classroom	(Shortage)/Surplus	space needed
2	≤ 15 Seats	1	85	103	9	(8)	300	(2,400)	2,700
3	16 - 20	3	99	120	10	(7)	400	(2,800)	4,000
4	21 - 25	6	145	176	15	(9)	500	(4,500)	7,500
5	26 - 30	39	61	74	7	32	600	19,200	4,200
6	31-35	3	70	85	8	(5)	700	(3,500)	5,600
7	36-40	4	151	183	16	(12)	800	(9,600)	12,800
8	41-45	1	122	148	13	(12)	900	(10,800)	11,700
9	46-50	0	32	39	4	(4)	1000	(4,000)	4,000
10	51-64	0	8	10	1	(1)	1280	(1,280)	1,280
11	≥65	5	20	24	3	2	2000	4,000	6,000
		62	793	961	86			(15,680)	59,780

Instructional Laboratory Utilization

Per Pennsylvania State System of Higher Education guidelines, instructional laboratories are suggested to be scheduled at an average of 23 hours per week with a 70% average occupancy. The chart below illustrates the schedule analysis for instructional laboratories as well as unscheduled “drop-in” computer labs, as occasionally the drop-in facilities are scheduled for classes.



The analysis also assessed current and projected student contact hours vs. target contact hours for all instructional labs. This calculation indicates which labs would likely require an additional instructional laboratory for the current enrollment and an 8500 headcount enrollment, based on current course offerings. The findings are below. It is important to note that the analysis is based on the Pennsylvania Guidelines of 23 hours per week and an occupancy rate of 70%. The potential exists to schedule beyond the 23 hour target and higher than 70% occupancy, although this increased scheduling may be easier for some labs than others. It should be noted that the projections below have not relied on an increase in scheduling.

Laboratory Space Needs for Current and Proposed Enrollment

Type of Space	Number Needed
Fine Arts Drawing Studio – Studio D	1 additional lab for 8500
Fine Arts Painting Studio – Studio E	1 additional lab for 8500
Fine Arts Cecilia Cohen Recital Hall	1 additional lab for 8500
Fine Arts Multi-Purpose Studio	1 additional lab for 8500
Gessner Introductory Chemistry Lab	1 for current enrollment; plus 2 for 8500 *
Gessner Organic Chemistry Lab	1 for current enrollment *
Additional Arena Space or additional available hours for scheduling	
Koehler Dance Studio	1 for current enrollment
Koehler UGL	1 additional lab for 8500
Koehler Weight Training Lab	1 for current enrollment
Moore Advanced Physiology Lab	1 for current enrollment; plus 1 more for 8500
Moore Metabolic Analysis Lab -	1 additional lab for 8500
Moore Botany Lab	1 for current enrollment
Rosenkrans Conversion Center	1 additional lab for 8500
Stroud 117 Computer Lab	1 for current enrollment *
Stroud Education Model Classroom	1 for current enrollment *
Stroud 314 English Writing Lab	1 for current enrollment
Stroud Computer Science Lab	1 additional lab for 8500 *
Zimbar Gym	1 for current enrollment; plus 1 more for 8500

Note: * indicates it is included in ESU's new Science and Technology Building

Academic Department Office Areas

Estimating the required amount of Academic Department Office space is based on the number of faculty and clerical/secretarial staff as well as the number of doctoral candidates and student workers at the undergraduate and graduate level. The amount of academic department office space suggested for East Stroudsburg University is based on the Pennsylvania State Guidelines. The academic office guidelines are as follows:

• FTE Faculty	190 sf (incl. 150 sf Office, plus 40 sf office support space and conference)
• FTEN Clerical & Secretarial Staff	150 sf
• Doctoral Students	140 sf (incl. office and support space)
• Student Worker, Grad. Assistant	120 sf
• Student Worker, Undergraduate	70 sf

The support allocation accounts for office related functions such as file rooms, break rooms, conference rooms, office area closets, copy rooms, office supply rooms, work rooms, waiting areas, open and private (restricted access) circulation areas, and other similar support functions.

While the above guidelines are useful for identifying the overall office space needs, additional explanation is offered here as a recommendation for allocation of the office space. The above space guideline will usually provide individual private offices of 100-120 square feet for faculty as well as a larger office for the department head, a conference room, reception area, file and work rooms for the departmental offices. The 190 square feet allowance is sufficient to generate enough space for the above spaces when there are more than 25 full-time equivalent faculty members in a particular department or division. When the number of faculty is less than 25, it is H2L2's experience that additional special allowances should be included to ensure adequate space is planned. Our suggested allowances are listed below:

# of FTE
Faculty Per
Department Additional SF Allowance
0-5 +120 Net SF to allow for Reception Area
6-15 +200 Net SF to allow for Conference Room
16-25 +50 Net SF to allow for Conference Room
over 25 no additional SF allowance required

For departments or divisions with 0-5 FTE faculty, enough space is usually generated for private offices and a larger office for the department head, which may also serve as a conference room. However, there may not be enough space for a reception/waiting area; thus an additional allowance of 120 square feet is added for a reception area.

For departments or divisions with 6-15 FTE faculty requiring office space, the 190 square foot allowance will typically yield enough space for all of the above needs with the exception of a conference room for eight to ten people. Thus an additional allowance of 200 square feet is added for a conference room.

Departments or divisions with 16-25 FTE faculty will be able to generate enough space for all of the above spaces, with the exception of a larger conference room which may be required. Because of this, an allowance of 50 square feet is added.

Critical adjacencies
Ideally, all members within a particular department should share office space within the same facility. Eliminating fragmentation enhances intradepartmental relationships and improves the overall departmental esprit de corps. Within a school or a division, it is not always critical or possible to have all departments within the same facility. Often each department requires its own specialized equipment or facilities, thereby limiting the potential for satisfying interdepartmental adjacencies. Where possible, however, groupings of related departments should be considered on a case by case basis to facilitate interdepartmental interactions.

Locations of departmental offices
There are two basic philosophies regarding the location of faculty offices. One philosophy is to locate the offices among the instructional spaces to maximize opportunities for student / faculty interaction as well as convenience. The second philosophy is to consolidate faculty into faculty office areas, not necessarily adjacent to instructional spaces. East Stroudsburg University primarily enjoys the former arrangement.

Inter-mingling the offices with the instructional spaces is positive in that it facilitates faculty / student contact within the building. Informal discussions started after class are able to conveniently continue in the instructor's office. In addition, instructional spaces in close proximity to a particular department are able to take on the "flavor" of that discipline. Conversely, there sometimes is a tendency for departments to make general purpose classroom space proprietary. This can contribute to a campus-wide perception of classroom shortages or overcrowding or possible mismatches of space with either high or low department enrollments. In addition, faculty with this type of office arrangement sometimes prefer to teach their courses within their particular building, rather than another building that may have classrooms of a more appropriate size.

Adjunct Faculty Offices

A sizeable number of adjunct faculty have teaching responsibilities at ESU. Office space is an issue for this group of employees - in most cases it is non-existent or shared with other adjunct faculty or shared with other full-time faculty. Renovation or modification of departmental space needs to consider specific needs of adjunct faculty. In most cases these needs are not different from the needs associated with full-time faculty: office/desk space, telephone access, e-mail/internet access, and microwave/light duty kitchen facilities. These needs may be satisfied via a common, appropriately sized group office area or in traditional private/semi-private offices.

Administrative Areas

Administrative Office Areas

Estimating the amount of administrative space needs is based on the number and type of administrative office personnel at the projected enrollment level. The amount of administrative office space suggested is based on H2L2's experience in planning these types of facilities. The administrative guidelines are as follows:

• FTEN (Executive, Admin, Mgr)	190 sf (incl. 150 sf Office, plus 40 sf office support space and conference)
• Clerical and Secretarial Staff	150 sf
• Doctoral Students	140 sf (incl. office and support space)
• Student Worker, Grad. Assistant	120 sf
• Student Worker, Undergraduate	70 sf

The support allocation accounts for office related functions such as file rooms, break rooms, conference rooms, office area closets, copy rooms, office supply rooms, work rooms, waiting areas, open and private (restricted access) circulation areas, and other similar support functions.

Example of the types of corridor treatment to be encouraged

Critical adjacencies
Each department or administrative group has its own critical adjacencies, depending upon its own particular "work flow" patterns. In general, administrative office arrangements work best in a suite-like environment rather than simply a series of offices along a corridor. Suite-style office arrangements allow for a single point of entry within a particular department and usually include a receptionist in a lobby area to receive and direct inquiries.

Corridors
Informal Meeting Areas
Corridors account for a considerable percentage of the total square footage on the ESU Campus. It is typically calculated and tallied as part of the gross square footage along with other spaces such as stairways, toilet rooms, mechanical spaces and the like. Corridors are not assessed or measured against space utilization standards, nor are they examined as a space category within the Pennsylvania space guidelines. Rather they are included as part of the analysis typically associated with its own specific building type and usually only examined when the building is constructed or renovated. Yet, current research indicates that the corridors are the spaces where students continue their conversations after class, with the faculty or with other students. In addition, corridors provide potential meeting locations for exchanging information before class and also provide opportunities for those chance meetings throughout the day. Sometimes these impromptu meetings can easily move into the instructor's office, into another instructional space, or into a food/café setting. If these spaces are not available, the opportunity for such discussions potentially becomes uncomfortable with participants sitting or standing while fumbling through belongings for paper and pen, perhaps partially blocking pedestrian movement through the corridor.

When planning a building, often the goal is to reduce the amount of non-assignable square footage (corridor, stairways,

mechanical, and toilet/janitorial space) in favor of maximizing the net assignable space (classrooms, instructional labs, offices, etc.) preferably falling within a recognized net:gross ratio. Strict observers of these net:gross guidelines judge a building to be efficient when this happens; when it doesn't, they judge the building to be inefficient. When this philosophy is taken to the absolute extreme, the resultant building experience can be unpleasant, lacking comfortably sized entry spaces and having minimum corridor widths.

"Learning Spaces"
The definition of the classroom and instructional lab is being blurred due to pedagogical and technological changes. The advent of "anywhere, anytime learning" has resulted in the coining of the term "Learning Spaces." As discussed by Malcolm Brown of Dartmouth College, however, simply providing new carpeting and wireless access points isn't enough if it is done in isolation. Those types of improvements are only truly meaningful if they match an institution's overall educational objectives.

Ideally, corridors are considered integral to the academic mission of the institution on a significantly higher level than merely a physical method of transport. They can be considered to be part of the new "Learning Spaces" philosophy if conceived as such at the outset. Indeed, removing the pressure to meet a specific net:gross ratio can yield corridors that re treated as learning space, possibly including relaxed groupings of soft seating, more formal group discussion areas with white board, tables and chairs, and "express centers" with bar height table areas for quick stand up meetings. Unless the Pennsylvania space guidelines incorporate a category specifically for open collaborative learning spaces on campus, the corridors could be carefully designed to support the requirements for library/study or perhaps lounge or exhibition square footage.

Recreation / Outdoor Field Requirements

As there are no Pennsylvania State Guidelines for outdoor fields, the consultant's experience in planning these facilities for many campuses yields the recommendations listed below. Outdoor playing field requirements are determined by the following factors:

- Size of the University
- Number of physical education classes in each activity
- Extent of intramural program
- Intercollegiate program
- Desired spectator seating
- Potential for overlap usage of facilities, such as soccer and softball sharing portions of the same field
- Shared usage of facilities, such as use of physical education facilities for intramurals

For the purposes of estimating land requirements, 200-250 sf per FTE can be used to estimate the need for outdoor athletic, intramural and physical education facilities. This guideline assumes a normal amount of overlapping usage and sharing of facilities among the programs. For East Stroudsburg University, with a master planning goal of approximately 7452 FTE students (or 8500 Headcount), this translates to a range of approximately 34.2 -42.8 acres of land for outdoor athletic, intramural and physical education fields. Four to five additional fields are recommended based on the above calculations as well as discussions and general comparisons with other PA State Universities. Of the existing fields that are used for varsity competition, almost all are adequately sized and configured to meet athletic association guidelines. An exception to this is the existing baseball field near Brown Street. Relocating this field to an alternate location will provide an opportunity to create a regulation sized baseball field.

Residence Halls

Today's residence halls are serving a range of diversified functions. In addition to the traditional role of housing, the residence halls have become places for social gathering, meeting locations, recreation and study. They are routinely wired for computer access to the library, the main campus computer facilities and the Internet. It is not atypical for these facilities to have social and recreational spaces such as dedicated fitness rooms, study rooms and rooms for games such as ping pong and video games. Academic spaces such as computer labs, mini-libraries, seminar rooms, and faculty-in-residence spaces are also common. Student preferences for housing styles have also changed. Today's students are looking for facilities which compare favorably with those offered at other institutions, including suite and apartment style housing units. Although these types of housing units consume a greater amount of square feet per bed, their costs can often be offset through increased student enrollment, retention and higher residence hall fees for those units. East Stroudsburg University has recognized this trend, has completed the University Ridge housing project and is currently beginning a phased development program to renovate or replace the existing residence halls and increase the total number of beds by 600 to 1,300 beds on the main campus.

Approximately 2,650 students live in University residence halls and University Ridge, with the remainder commuting from home or nearby apartments. ESU wishes to provide an additional 1,850 student beds living in University-owned or University-affiliated housing on or adjacent to the Campus. The goals are to eliminate triple rooms and increase the number of on-campus residents while also improving the variety of available housing types. A detailed housing study was completed separate from this master plan. Proposals outlined in the following chapter have incorporated the salient points from that process. In general, the adopted plan is to immediately construct approximately 600 to 1,300 new beds and to later renovate the remaining residence halls.

Campus Parking Needs

Based on calculations associated with the Parking Generation Model from the Institute of Transportation Engineers (ITE) the University has the approximate number of necessary parking spaces for the current enrollment. They may not all be in the most convenient location for each individual and this has resulted in a perceived parking shortage by some. For a proposed enrollment of 8500 headcount, approximately 700 additional parking spaces are proposed for ESU. The number of needed parking spaces for the ESU population is based on established ratios for the number of students, faculty and staff as well as the availability of public transportation. If the University reverses its current policy prohibiting freshmen and sophomores to have cars, the parking need would be expected to increase.

Bicycles

At the outset of the Master Plan process, there was minimal demand for additional bicycle parking on Campus. During the planning process, the entire country experienced a significant increase in gasoline prices, combined with a nation-wide movement supporting “green” transportation and general lifestyle changes. Indeed, at the writing of this report, it has been reported that there is an on-campus desire for increased bicycle accommodations on Campus, including bike racks and paths. The following chapter will include recommendations for making ESU a more “Bicycle Friendly Campus.”

TABULATION OF EXISTING AND AUTHORIZED SPACE

The University provided the following tabulated chart of existing and authorized space based on the State System of Higher Education Guidelines. Authorized space is calculated for specific categories using formulas developed by the State System of Higher Education as well as "raw" data provided by the University, such as the number of FTE students, FTE faculty, library volumes, etc. The authorized space is then compared to existing space to determine "overages" or "shortfalls within each of the categories.

List of Specific Programmatic Shortfalls (Building square footage)

For the current level of enrollment (Fall 2006, 7013 Headcount), the chart below summarizes the existing and authorized space for East Stroudsburg University based on the Pennsylvania State Guidelines for all space categories including classrooms, instructional laboratories, research laboratories, offices, library, athletic/physical education, media production, clinic, assembly, exhibition, food facility, lounge/merchandising, recreational facilities, meeting rooms, support facilities, health care, residence halls and student union space. This existing square footage on this chart has been updated to reflect the completion of the new Science and Technology Center. Even so, the University faces shortages in most every space category for its current enrollment. For the proposed level of enrollment (8500 Headcount), the space shortages are correspondingly increased.

East Stroudsburg University
Space Analysis for Current Enrollment - 7013 Headcount (6148 FTE)

Space Category			State Standard Formula	Audited Units	Space Authorized	Space Existing	Current Space Overage/ (Deficit)
110/115	**Classrooms**		WSCH x 0.796 x 1.1	90,503	**79,244**	**77,732**	(1,512)
210/215	**Laboratory**		FTES (fall term) x 4.2 x 3.11 x 1.25	6,148	**100,381**	**80,886**	(19,495)
220/225							
250/255	**Research Laboratory**		For Module A Courses: .5 x FTEF Faculty x 300 sf	105	15,750		
			For Module B Courses: .5 x FTEF Faculty x 150 sf	266	19,950		
		Subtotal	Sum of above		**35,700**	**14,834**	(20,866)
300	**Office**						
	FTEIF (Faculty)		FTEF Faculty x 150 sf + 40 sf	371	70,490		
	FTEN (Executive, Administrative and Managerial Employee)		FTEN Exec/Admin/Manag. Staff x 150 sf + 40 sf	136	25,840		
	FTEN (Clerical and Secretarial Employee)		FTEN Sec./Clerical Staff x 150 sf	88	13,200		
	Doctoral Candidate		# of enrolled Candidates x 140 sf	11	1,540		
	Student Worker, Graduate Assistant		.67*((# Hrs Worked by Grad. Assist./20) x 120 sf)	60	0		
	Student Worker, Undergraduate		FTE Undergrad Student Workers x .04	190	8		
	Teaching Assistant						
	Student Activities						
		Subtotal	Sum of Above		**111,078**	**136,449**	**25,371**
400	**Library**						
	Study Space	a)	.15[(FTES +FTEF Faculty) x 30 sf]	6148+371	29,336		
	Stack Space	b)	.10(0-150,000 BVE)+.09(150,001-300,000 BVE)+.08(300,001-600,000 BVE) +.07(600,001 BVE and above)	480,210	42,917		
	Open-Stack Study Space	c)	10% of Stack Space		4,292		
	Processing Space	d)	12.5%(study + stack + open-stack space)		9,568		
	Study Service Space	e)	10% of study space		2,934		
		Subtotal f)	Sum of a, b, c, d and e above		**89,046**	**69,132**	(19,914)
520	**Athletic/Physical Education (Active Space)**						
		a)	50,000 sf / First 1,500 FTE Students	1,500	50,000		
		b)	6 sf / FTE above 1,500	4,648	27,888		
		Subtotal c)	Sum of a and b above		77,888		
525	**Athletic / Physical Education (Support Space)**						
		a)	10,000 sf / First 2,000 FTE Students (fall term)	2,000	10,000		
		b)	6 sf / FTES above 2,000	4,148	24,888		
		Subtotal c)	Sum of a and b above		34,888		
520/525	**Total Physical Education**				**112,776**	**107,153**	(5,623)
530/535	**Media Production**		1.8 / FTE Student (fall term)	6,148	**11,066**	**0**	(11,066)
540/545	**Clinic and Clinic Service**		5 ASF per FTESG (fall term in appropriate department)	0	**0**		**0**
570/575	**Animal Quarters** (for biology, psychology, health science, zoology courses)		25 sf x avg # stud.majoring in animal courses + 3 sf x program FTESG enrolled in general animal courses + 100 sf x FTEF faculty doing animal research	0, 35, 2	**305**	**0**	(305)
580/585	**Greenhouse and Service** (for biology, psychology, health science, zoology courses)		25 sf x avg # stud.majoring in plant programs + 3 sf x FTESG enrolled in plant courses + 100 sf x FTEF faculty doing plant research	0, 5, 1	**115**	**2,547**	**2,432**
610/615	**Assembly**						
	(includes 5000 sf for Music Program)	a)	14,500 sf / First 2,000 FTES	2,000	14,500		
		c)	6 sf / FTES above 2,000	4,148	24,888		
		c)	6 sf / FTEN + FTEF	417+371	4,728		
		Subtotal d)	Sum of a, b and c above		**44,116**	**30,261**	(13,855)
620/625	**Exhibition**						
		a)	1,500 sf / First 2,000 FTES	2,000	1,500		
		c)	1 sf / FTES above 2,000	4,148	4,148		
		c)	1 sf / FTEN + FTEF	417+371	788		
		Subtotal d)	NSF = Sum of a, b and c above		**6,436**		(6,436)

Space Category			State Standard Formula	Audited Units	Space Authorized	Space Existing	Current Space Overage/ (Deficit)
630/635	Food Facility/Service (Auxiliary)		9 asf x(FTES+FTEN+FTEF)	6148+371+417	62,424	29,991	(32,433)
650/660	Lounge/Merchandising (excl. Dorms) / Student Union		(1 sf per FTES+FTEF+FTEN Admin & Clerical) +(4 sf per FTEN all other employees)	6148+371+136+88+193	7,515	2,588	(4,927)
670/675	Recreational Facilities	a)	20,000 sf / First 1,000 FTES	1,000	20,000		
		b)	5 sf / FTES above 1,000	5,148	25,740		
		c)	15% of sum of a and b for future growth		6,861		
		d)	Sum of a, b and c above		52,601	51,811	(790)
680/685	Meeting Rooms and Service	a)	5,000 sf / First 5,000 FTES	5,000	5,000		
		b)	1 sf / FTES above 5,000	1,148	1,148		
		c)	Sum of a and b above		6,148	10,939	4,791
700	Support Facilities	a)	5% of Total Campus sf	1,216,201	60,810		
	(incl. 700 series except 790 (Utility Prod))	b)	Justified Allowance for local consid.		*		
		c)	Sum of a and b above		60,810	48,716	(12,094)
800	Health Care Facilities	a)	2,000 sf / First 3,000 FTES	3,000	2,000		
		b)	.3 sf / FTE above 3,000	3,148	944		
		c)	Sum of a and b above		2,944	2,149	(795)
900	Residence Halls						
	For 2217 residents						
	Sleep / Study without Bath		150 sf / # of residents * 1.1	2,001	330,165		
	Toilet / Bath		30 sf / # of residents	2,001	60,030		
	Sleep / Study with Toilet or Bath		190 sf / # of residents	0	0		
	Apartment - Student Occupied		180 sf / # of residents	216	38,880		
	Apartment - Residence Hall Director		up to 750 per director	5	3,750		
					432,825	279,564	(153,261)
980	Student Union (not including 670/675/680/685)		10 sf / FTES	6,148	61,480	43,759	(17,721)
					1,277,011	988,511	(119,950)
							x 1.54
							(184,724)
Categories Not Included Above:							
	Utility Production (no SF allocation specified)					10,071	
	Daycare (must comply with state statutory and/or local building codes)					3,611	
	Unclassified (ESU classification. Includes facilities not on-line such as Monroe Hall and others)					24,079	
	Subtotal					37,761	
	ESU Grand Total Existing NSF					1,026,272	

The chart below is the corresponding chart for the anticipated Master Plan enrollment goal of 8500 Headcount.

East Stroudsburg University
Space Analysis for 8,500 Headcount (7,452 FTE)

Space Category			State Standard Formula	Audited Units	Space Authorized	Space Existing	Current Space Overage/ (Deficit)
110/115	Classrooms		WSCH x 0.796 x 1.1	109,699	96,052	77,732	(18,320)
210/215	Laboratory		FTES (fall term) x 4.2 x 3.11 x 1.25	7,452	121,673	80,886	(40,787)
220/225							
250/255	Research Laboratory		For Module A Courses: .5 x FTEF Faculty x 300 sf	127	19,091		
			For Module B Courses: .5 x FTEF Faculty x 150 sf	322	24,181		
		Subtotal	Sum of above		43,272	14,834	(28,438)
300	Office						
	FTEIF (Faculty)		FTEF Faculty x 150 sf + 40 sf	450	85,441		
	FTEN (Executive, Administrative and Managerial Employee)		FTEN Exec/Admin/Manag. Staff x 150 sf + 40 sf	165	31,321		
	FTEN (Clerical and Secretarial Employee)		FTEN Sec./Clerical Staff x 150 sf	107	16,000		
	Doctoral Candidate		# of enrolled Candidates x 140 sf	13	1,867		
	Student Worker, Graduate Assistant		.67*((# Hrs Worked by Grad. Assist./20) x 120 sf)	73	1		
	Student Worker, Undergraduate		FTE Undergrad Student Workers x .04	230	9		
	Teaching Assistant						
	Student Activities						
		Subtotal	Sum of Above		134,638	136,449	1,811
400	Library						
	Study Space	a)	.15((FTES +FTEF Faculty) x 30 sf)	7452+450	35,558		
	Stack Space	b)	.10(0-150,000 BVE)+ .09(150,001-300,000 BVE)+ .08(300,001-600,000 BVE) + .07(600,001 BVE and above)	582,063	51,065		
	Open-Stack Study Space	c)	10% of Stack Space		5,107		
	Processing Space	d)	12.5%(study + stack + open-stack space)		11,466		
	Study Service Space	e)	10% of study space		3,556		
		Subtotal f)	Sum of a, b, c, d and e above		106,751	69,132	(37,619)
520	Athletic/Physical Education (Active Space)						
		a)	50,000 sf / First 1,500 FTE Students	1,500	50,000		
		b)	6 sf / FTE above 1,500	5,952	35,712		
		Subtotal c)	Sum of a and b above		85,712		
525	Athletic / Physical Education (Support Space)						
		a)	10,000 sf / First 2,000 FTE Students (fall term)	2,000	10,000		
		b)	6 sf / FTES above 2,000	5,452	32,712		
		Subtotal c)	Sum of a and b above		42,712		
520/525	Total Physical Education				128,424	107,153	(21,271)
530/535	Media Production		1.8 / FTE Student (fall term)	7,452	13,414	0	(13,414)
540/545	Clinic and Clinic Service		5 ASF per FTESG (fall term in appropriate department)	0	0		0
570/575	Animal Quarters (for biology, psychology, health science, zoology courses)		25 sf x avg # stud.majoring in animal courses + 3 sf x program FTESG enrolled in general animal courses + 100 sf x FTEF faculty doing animal research	0, 42, 2	370	0	(370)
580/585	Greenhouse and Service (for biology, psychology, health science, zoology courses)		25 sf x avg # stud.majoring in plant programs + 3 sf x FTESG enrolled in plant courses + 100 sf x FTEF faculty doing plant research	0, 8, 1	139	2,547	2,408
610/615	Assembly						
	(includes 5000 sf for Music Program)	a)	14,500 sf / First 2,000 FTES	2,000	14,500		
		c)	6 sf / FTES above 2,000	5,452	32,712		
		c)	6 sf / FTEN + FTEF	450+505	5,731		
		Subtotal d)	Sum of a, b and c above		52,943	30,261	(22,682)
620/625	Exhibition						
		a)	1,500 sf / First 2,000 FTES	2,000	1,500		
		c)	1 sf / FTES above 2,000	5,452	5,452		
		c)	1 sf / FTEN + FTEF	450+505	955		
		Subtotal d)	NSF = Sum of a, b and c above		7,907		(7,907)

Space Category			State Standard Formula	Audited Units	Space Authorized	Space Existing	Current Space Overage/ (Deficit)
630/635	Food Facility/Service (Auxiliary)		9 asf x(FTES+FTEN+FTEF)	7452+450+505	75,664	29,991	(45,673)
650/660	Lounge/Merchandising (excl. Dorms) / Student Union		(1 sf per FTES+FTEF+FTEN Admin & Clerical) +(4 sf per FTEN all other employees)	7452+450+165+107+234	9,109	2,588	(6,521)
670/675	Recreational Facilities	a)	20,000 sf / First 1,000 FTES	1,000	20,000		
		b)	5 sf / FTES above 1,000	6,452	32,260		
		c)	15% of sum of a and b for future growth		7,839		
		d)	Sum of a, b and c above		60,099	51,811	(8,288)
680/685	Meeting Rooms and Service	a)	5,000 sf / First 5,000 FTES	5,000	5,000		
		b)	1 sf / FTES above 5,000	2,452	2,452		
		c)	Sum of a and b above		7,452	10,939	3,487
700	Support Facilities	a)	5% of Total Campus sf	1,460,390	73,020		
	(incl. 700 series except 790 (Utility Prod))	b)	Justified Allowance for local consid.		*		
		c)	Sum of a and b above		73,020	48,716	(24,304)
800	Health Care Facilities	a)	2,000 sf / First 3,000 FTES	3,000	2,000		
		b)	3 sf / FTE above 3,000	4,452	1,336		
		c)	Sum of a and b above		3,336	2,149	(1,187)
900	Residence Halls						
	For 2217 residents						
	Sleep / Study without Bath		150 sf / # of residents * 1.1	2,425	400,193		
	Toilet / Bath		30 sf / # of residents	2,425	72,762		
	Sleep / Study with Toilet or Bath		190 sf / # of residents	0	0		
	Apartment - Student Occupied		180 sf / # of residents	262	47,127		
	Apartment - Residence Hall Director		up to 750 per director	6	4,545		
					524,628	279,564	(245,064)
980	Student Union (not including 670/675/680/685)		10 sf / FTES	7,452	74,520	43,759	(30,761)
					1,533,410	988,511	(271,481)
							x 1.54
							(418,081)
Categories Not Included Above:							
	Utility Production (no SF allocation specified)					10,071	
	Daycare (must comply with state statutory and/or local building codes)					3,611	
	Unclassified (ESU classification. Includes facilities not on-line such as Monroe Hall and others)					24,079	
	Subtotal					37,761	
	ESU Grand Total Existing NSF					1,026,272	

SUMMARY OF EXISTING PHYSICAL PROBLEMS

1) Buildings

- Several academic departments are not consolidated
- Lack of adequate faculty office space campus-wide
- Lack of state-of-the-art classroom space and inappropriately-sized classrooms for current course enrollment patterns
- Lack of state-of-the-art Library space
- Lack of adequate Student Center space
- Lack of collaborative environments to promote and support student learning outside the classroom
- Inadequate office and instructional space for PE and office and team space for the athletics departments sharing space in Koehler
- Lack of adequate space to support conferences
- Inadequate space for dining expansion
- Existence of various buildings with inadequate / non-purpose-built space
- Poor physical condition of certain buildings / houses
- Lack of up-to-date residence halls and inadequate number of beds to support current and proposed enrollment

2) Site Issues

- Confusion regarding the most appropriate location to enter the campus from Prospect Street
- Lack of campus amenities adjacent to campus
- Lack of adequate field space to support athletics and recreational programs
- Inadequate number of pedestrian-friendly outdoor gathering areas with appropriate site furniture
- Inadequate sidewalk and path widths to adequately support campus circulation patterns
- Awkward property line configurations exist due to incremental parcel acquisitions, limiting larger scale projects east of Smith Street

3) Roadways / Parking

- Lack of adequate off-street parking and a need for structured parking for current and projected enrollments
- High volume of traffic on Normal Street
- Awkward vehicle circulation on Centre Street requiring turn-around for those unfamiliar with the campus
- Lack of sanctioned bicycle paths and bicycle racks on campus
- Borough ownership of Normal and Smith Streets and corresponding parking meters limit University's flexibility regarding these roads

MASTER PLANNING GOALS SUMMARY

1) Improve the main entry to the University

2) Academic Space Needs

- Address space needs / shortages - new instructional space
- Consolidation of departments / divisions in several buildings
- Plan for state of the art library space
- Incorporate collaborative space to support learning
- Building renovation projects

3) Faculty and Administrative Space Needs

- Consolidation of departments in several buildings
- Relieve office over-crowding for specific departments
- Eliminate the use of houses to satisfy office space

4) Student Life Needs

- Provide a comprehensive student centered environment on Campus
- Provide additional on-campus housing to support an additional 1,350 to 1,850 beds
- Organize and improve facilities for student life offices

5) Parking

- satisfy the need for more convenient, attractive, safe parking
- Incorporate structured parking

6) Athletics / Recreation

- Proposed location for new Athletic field house
- Provide addition to Student Recreation Center
- Provide additional Athletic fields
- Provide additional student recreation fields

7) Community Outreach Facilities

- Increase space available for conference / events / programming space
- Provide conference, office and support space
- Facilitate the establishment of private businesses and services that support a college town environment near the main entrance along Prospect Street.

8) Campus Environment

- Enhance the Campus landscape through landscape and furniture upgrades