

University of Nebraska
Space Guidelines
And
Land Guidelines

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UNIVERSITY OF NEBRASKA SPACE GUIDELINES

These space guidelines are a compilation of guidelines used by a number of higher education institutions. They have been adapted for use in the University of Nebraska.

The purpose of the space guidelines and utilization goals is to form the basis for translating predictor elements of an academic or support program into a defined space. The result of applying the various space guidelines represents a “boundary” or “envelope” space requirement for an administrative unit and for support space to complement the administrative unit’s program. Design and size of specific rooms with an administrative unit’s generated space “envelope” must be addressed on an individual room basis. The space guidelines should be used in the development of programs for new and remodeled space.

The space guidelines are merely guidelines in estimating whether or not sufficient space has been provided. They are not intended to be the maximum or minimum amount of space required by a person, an activity, or the administrative unit. The space guidelines are not design guidelines but rather estimates of the amount of space by room-use categories that should be satisfactory under normal conditions and circumstances to provide for the room use in question. It is not intended that each person in the University should have the exact amount of space indicated in the space guidelines or that each room would contain exactly the amount of space indicated. Persons may have more or less space than indicated in the space guidelines, depending upon individual needs. Room space may be larger or smaller than indicated in the space guidelines depending upon how the room is used, the equipment that may be required, or the function intended.

Applying the space guidelines to persons or activities will assist in determining if the space needs of an administrative unit and subsequently a major administrative unit/campus are sufficient. If, after applying the guidelines, the administrative unit believes additional space is necessary, they should indicate the amount of space they believe is adequate and provide rationale for the additional space. The space guidelines do not address the quality of the space or whether existing space is satisfactory for the function involved. These aspects must be addressed separately.

Caution should be exercised in applying space factors and interpreting the results of space use analysis. A clear understanding of what space factor analysis can and cannot do is essential.

The following points should be emphasized in using the space guidelines:

- The validity of applying space factors in capital planning is suspect if space factors have not been consistently applied in the assessment of current space utilization.
- Space factor analysis establishes boundaries or parameters within which the architect, designer or space manager must function. Space factors are not design tools.
- In developing a set of space guidelines and standards, do not feel compelled to automatically reduce everything to numbers. Size of equipment to be housed, expected usage, and the importance of the role these rooms will serve, as determined by the administrative units, may be more appropriate planning parameters.
- Existing data bases should be considered when developing specific space factors. For example, if the space inventory doesn't accurately reflect actual space, one must decide to either: 1) modify the inventory, or 2) modify the way the space factor is developed.
- When comparing the results of applied space standards to actual space, consideration must be given to existing conditions. Examples of this would be an existing office of 135 square feet used by a faculty member in which the space guidelines allows 120 square feet or library stack space that cannot support the shelving capacity listed in the space guidelines because the floors structural loading-bearing capacity is inadequate.

It cannot be stressed enough that space guidelines are not DESIGN STANDARDS. The establishment of a space factor of 220 square feet for a faculty research laboratory does not mean a room 20' x 11'. What the factor does mean is that each faculty member would contribute 220 square feet to the total departmental research space need. Research labs are not being designed--merely boundaries are being established within which design can take place. Individual research areas can range in size from expanded offices to the total departmental research requirement contingent upon the requirements of the program.

It should also be understood that all facets of an academic program cannot be reduced to numerical formulae and that some accommodation must be made for space of a unique nature. All types of university space needs cannot be determined merely by projections from faculty, student, and staff data. Art galleries, armories and residential facilities are examples of space types which must be justified programmatically. Size of equipment to be housed, expected usage and the importance of the role these rooms will serve are more appropriate planning parameters.

UNIVERSITY OF NEBRASKA SPACE GUIDELINES

100 CLASSROOM FACILITIES

110 Classroom, Seminar Room, Lecture Hall

Definition

A room used by classes that does not require special purpose equipment for student use. Included are rooms generally used for scheduled instruction requiring no special equipment and referred to as general purpose classrooms, seminar rooms and lecture halls.

Limitations

Does not include conference rooms, meeting rooms, auditoriums, or class laboratories. Conference rooms and meeting rooms are distinguished from seminar rooms on the basis of primary use; rooms with tables and chairs that are primarily used for meetings, as opposed to classes, are conference rooms or meeting rooms. Auditoriums are distinguished from lecture halls on the basis of primary use; a large room, with seating oriented towards some focal point, which is used for dramatic or musical productions, general meetings or purposes other than scheduled classes, is an auditorium. A class laboratory is distinguished from a classroom on the basis of equipment in the room and by its limited use.

Standards

The number of classrooms is dependent upon the number of weekly student contact hours based on a utilization goal of 30 hours of use per week and a 65 percent student station occupancy.

The size of the classroom is based on the station count desired and the type of seating. The net assignable square feet for the various types of seating is in Appendix A. The guidelines in Appendix A include service area space.

Classroom space requirements are determined by the following guidelines:

Predicator:

WSCH Scheduled Lecture, Recitation, etc. (weekly student contact hours)

Standards:

Weekly Room Utilization Goal = 30 hours
Station Occupancy Goal = 65% (when in use)

Allowance:

Average Station Size (including service) = 16 NASF

Formula:

$$\frac{16 \text{ NASF}}{(30 \text{ weekly room hours}) \text{ times } (65\% \text{ station occupancy})} = .82 \text{ NASF/WSCH}$$

$$.82 \text{ NASF/WSCH times WSCH} = \text{Classroom Space Requirement}$$

115 Classroom Service

Definition

A room or space that directly services one or more classrooms as an extension of the activities in such a room. Included are projection space, cloak room space, class preparation space, closets, or storage areas serving classrooms.

Limitations

Does not include projection rooms, cloak rooms, preparation rooms, closets, or storage if such rooms serve laboratories, conference rooms, meeting rooms or assembly facilities.

Standards

Normally, the classroom station size (see Appendix A) includes classroom service area space. Additional space can be justified on a program/classroom basis.

200 LABORATORY FACILITIES

210 Class Laboratory

Definition

A room used primarily by regularly scheduled classes that requires special-purpose equipment to serve the needs of a particular discipline for group instruction, participation, observation, experimentation, or practice.

Limitations

Class laboratories do not include laboratories that serve as individual or independent study rooms, laboratories used for group instruction that are irregularly scheduled, or research laboratories. It does not include gymnasiums, pools, drill halls, laboratory schools, teaching clinics, demonstration houses, computer/data processing areas, or similar facilities.

Standards

Class laboratory station sizes and lab service and storage needs can vary considerably between disciplines. Therefore, a class laboratory allowance is determined for each disciplinary area as illustrated in the table in Appendix B. The amount of space for class laboratories is based on the average station size, utilization goals, and weekly student contact hours. It is important that both scheduled and expected hours of lab activity are determined in calculating laboratory requirements. Expected lab activity may be more important for upper level courses than it is for lower level.

Class laboratory space requirements are determined by the following guidelines:

Predicator:

WSCH Scheduled laboratory activity (weekly student contact hours)

Standards:

Weekly Room Utilization = 20 hours

Standard Occupancy Goal = 65%

Allowance:

Variable Class Lab Allowance (Appendix B)

Formula:

$$\frac{\text{Variable Class Lab Allowance (NASF)}}{(20 \text{ weekly room hours}) \text{ times } (65\% \text{ station occupancy})} = (\text{Variable}) \text{ NASF/WSCH}$$

$$(\text{Variable}) \text{ NASF/WSCH times WSCH} = \text{Class Lab Space Requirement}$$

215 Class-Laboratory Service

Definition

A room that directly services one or more class laboratories as an extension of the activities in those rooms.

Limitations

Does not include rooms that serve special-class laboratories, individual-study laboratories, research laboratories, rooms that provide housing for laboratory animals, or greenhouses.

Standards

The amount of class-laboratory service space is determined by using the same formula used for class laboratory space except for changing the allowance to the Variable Class-Laboratory Service Allowance in Appendix B.

220 Special-Class Laboratory

Definition

A room which is designed for and/or furnished with equipment to serve the needs of a particular area of study for group instruction in informally or irregularly scheduled classes. Note that the criteria for differentiating between special-class laboratory and class laboratory is the informal or irregular nature of the scheduling and not the specialization of the equipment or instruction.

Limitations

Does not include class laboratories, individual-study laboratories, and research laboratories. It does not include gymnasiums, pools, drill halls, laboratory schools, teaching clinics, demonstration houses, computer/data processing areas, or similar facilities.

Standards

The weekly room utilization and station occupancy goals may vary. The special-class laboratories may contain equipment so specialized that they are used only occasionally. Other rooms may contain little or no equipment and can be used considerably more intensively for a variety of learning experiences. The size of the special-class laboratory would be based on equipment size and/or on the station size and student count desired. The size of special-class laboratories will be determined on an individual basis when required.

225 Special-Class Laboratory Service

Definition

A room that directly serves one or more special-class laboratories as an extension of the activities in those rooms.

Limitations

Does not include rooms that serve class laboratories, individual-study laboratories, research laboratories, rooms that provide housing for laboratory animals or greenhouses.

Standards

The service space is determined based on special-class laboratory needs to support room use.

230 Individual-Study Laboratory

Definition

A room used primarily for individual student experimentation, observation or practice in a particular field of study. The individual-study laboratory may be one room serving only one student such as music practice, or may be a part of a larger room such as individual carrels with special equipment. This category includes instructional computer terminal rooms, individual carrels for tutorial or programmed instruction, and music practice rooms. Space in this category may either be scheduled (music practice rooms) or assigned to individual students (architecture studios).

Limitations

Does not include individual-study facilities intended for general study purposes as in a library. The study area must be related to a specific area of study.

Standards

The amount of space for individual-study laboratory is based on the average station size, utilization goal, and weekly student contact hours.

Individual-study laboratory space requirements are determined by the following guidelines:

Predicator:

WSCH	Expected independent study activity (weekly stud. contact hrs.)
HC	Students requiring studio space (headcount)

Students:

Weekly Room Utilization Goal	= 50 hours
Standard Occupancy Goal	= 80%

Allowance:

Average Station Allowance:	Architecture	= 80 NASF
	Carrels	= 30 NASF
	Music Practice	= 70 NASF
	Tutorial	= 20 NASF

Formula (Scheduled Labs):

$$\frac{\text{Average Station Allowance (see above)}}{(50 \text{ weekly room hours}) \text{ times } (80\% \text{ station occupancy})} = (\text{Variable}) \text{ NASF/WSCH}$$
$$(\text{Variable}) \text{ NASF/WSCH times WSCH} = \text{Individual-Study Lab Space Req.}$$

Formula (Assigned Labs):

$$\text{Avg. Station Allow. times HC Stud.} = \text{Individual-Study Lab Space Req.}$$

235 Individual-Study Laboratory Service

Definition

A room that directly serves one or more individual-study laboratories as an extension of the activities in those rooms.

Limitations

Does not include rooms that serve class laboratories, special-class laboratories, research laboratories, rooms that provide housing for laboratory animals and greenhouses.

Standards

The service space is determined based on individual-study laboratory needs to support room use.

250 Research Laboratories

Definition

A room used for laboratory applications, research, and/or training in research methodology that requires special purpose equipment for staff and/or student experimentation or observation. Facilities in the research space category support both internally and externally funded research activities. Research space is activity oriented and as such can be located in both laboratories and offices. The following generate research space:

Faculty:	Professor (Full; Associate; and Assistant).
Research:	Research Associate; Research Specialist; and Research Fellow.
Students:	Post-Doctoral Fellow; Post Doctoral Associate; Advanced Graduate Research Assistant (Masters in second year and Doctoral).

Limitations

Does not include class laboratories, special-class laboratories, or individual-study laboratories.

Standards

Research space needs can vary considerably between various disciplines. Primary determinants for generating research space are the level of graduate activity and the amount of research equipment and materials to be accommodated. Allowances for individual disciplines are detailed in Appendix B.

The term “allowance” is used because the space generated does not necessarily result in one station in a traditional research laboratory. Some space will be devoted to an individual faculty member either as a station in a laboratory, an individual laboratory room or additional office space. Part of the space could be pooled to provide group laboratories and storage/service facilities.

Since research activity occurs both in offices and laboratories, a portion of this research space generated can be incorporated in the design of individual faculty offices. A research allowance can be combined with a faculty member's office allowance. Adjusting the size of individual faculty offices is especially appropriate in disciplines with low research allowances and little, if any, need for research laboratory spaces. Office space generated as a result of research activities should be included in a department's total research space requirement.

Research space requirements are determined by the following guidelines:

Predicator:

AHC Research space generators (adjusted headcount)

Allowance:

Variable Research Allowance (Appendix B)

Formula:

$$\text{AHC researchers times Variable Research Allow. (NASF)} = \text{Research Space Requirement}$$

255 Research-Laboratory Service

Definition

A room or area that directly serves one or more research laboratories as an extension of the activities in those rooms.

Limitations

Does not include rooms that serve class laboratories, special-class laboratories, individual-study laboratories, room that provide housing for laboratory animals, or greenhouses.

Standards

Service space is normally included in research allowances (Appendix B). Additional service space can be justified on an individual basis based on equipment or materials to be accommodated.

300 OFFICE FACILITIES

310 Office

Definition

A room or suite of rooms containing “office-type” equipment used to conduct instructional, public service, research, and administrative activities other than the meeting of classes.

Instructional and Public Service Office Space --This space is generated by those employees involved in instructional and public service activities. The following instructional and public service personnel generate office space:

Faculty: Professor (Full, Associate, and Assistant); Instructor; Visiting Scholar; Adjunct Professor; and Emeriti.

Students: Graduate Teaching Assistant.

Research Office Space --Research activities are conducted in both laboratories and offices. Often research personnel are “officed” within research laboratories and lab service rooms. Regardless of whether research office space is located in a laboratory or in a more traditional office setting, the following research personnel generate office space:

Research Associate; Research Specialist; Research Fellow; Research Assistant; Project Assistant; Scientist; Technician; Visiting Research Scholar; Post-Doctoral Fellow; Post Doctoral Associate; and Graduate Research Assistant.

Besides the above heavily research oriented positions, virtually all ranked faculty also perform research activities within their offices. To remain consistent with inventory and Federal reporting requirements, office space generated by research-oriented positions should be tabulated and recorded in the Research Category 250 rather than Office Category 310.

Administrative Office Space --Administrative office personnel in both collegiate and University-wide service programs support the instructional public service and research functions of the University. Most professional, administrative, and clerical positions require a primary office work space in addition to shared reception, conference, file, and lounge space.

For high traffic generating service units or in cases where central University files or storage must be accommodated, additional space for queuing and file/storage may be incorporated in the department’s space envelope. Individual offices will be sized in

accordance with the status and duties of the employees. The following administrative personnel generate office space:

A-Line Academic/Administrative personnel; B-Line Directors and Managerial/ Professional personnel requiring office space; C-Line Office/Service staff requiring office space; Graduate Administrative Assistants; Student Office Assistants.

Limitations

Special note should be taken of rooms equipped both as offices and research laboratories. A room equipped with laboratory benches, specialized scientific equipment, and or such utilities as gas, water, steam, air, etc., is classified as a research laboratory. Note that this distinction rests on equipment rather than function. Large rooms such as glass shops, printing shops, reading rooms, etc., that incidentally contain a desk space for a technician or staff member, are classified according to the primary purposes of the room, rather than as offices. In the case of research-oriented positions, office space should be tabulated and recorded in Research Category 250 rather than office Category 310.

Standards

It is the policy of the University to provide office space only to those individuals whose duties necessitate this type of space. The amount of office space allotted depends on the status and the duties of the employees. Office space allowances are in Appendix C.

Instructional, public service, research and administrative office space requirements are determined by the following guidelines:

Predicator:

AHC Personnel requiring office space (adjusted headcount)

Allowance:

Variable Office Allowance (Appendix C)

Formula:

AHC Personnel times Variable Office Allowance = Office Space Req.

Note: Student office space is based on actual headcount rather than adjusted headcount as the predicator.

315 Office Service

Definition

A room that directly serves as an office or group of offices as an extension of the activities in those rooms. Included are file rooms, copy rooms, drafting rooms, vaults, waiting rooms, interview rooms, closets, private toilets, record rooms, office supply rooms and staff lounge space.

Limitations

Centralized printing and duplicating shops that are campus-wide in scope should be classified as Shop Category 720. Lounge space used by students and the public should be classified as Lounge Category 650.

Standards

An administrative unit requires service space to support its operations. The space guidelines for office service space are in Appendix C. Guidelines provide for additional space for reception area and staff lounge area. Normally, only one staff lounge area is programmed for each building. Additional space can be justified based on the operation of the administrative unit.

350 Conference Room

Definition

A room serving an office complex and used primarily for staff meetings and departmental activities other than instructional activities.

Limitations

Does not include classrooms, seminar rooms, lecture rooms, auditoriums, interview rooms, lounge facilities, or meeting rooms. It is distinguished from meeting rooms in that conference rooms are normally used by a specific organizational unit; whereas, meeting rooms are used for general purposes such as community group meetings. Rooms that serve as both conference and meeting rooms should be classified according to their principal use.

Standards

Each administrative unit of the University is authorized space for a conference area. See Appendix C for conference room space standards. The size of the conference area is normally based on the size of the administrative unit and/or the number of persons who can normally be expected to be in conference at any one time. The maximum size conference room is limited to 30 stations. Administrative units with need for more than 20 stations should consider including a meeting room with stacking chairs in lieu of a conference room as part of departmental or administrative units conference space.

355 Conference-Room Service

Definition

A room that directly serves one or more conference rooms as an extension of the activities in those rooms including kitchenettes, projection rooms, sound equipment rooms, etc.

Limitations

Does not include kitchens, dining rooms, and similar facilities in a centralized conference type building.

Standards

Conference-room service standards are included with the conference room space standards in Appendix C. If additional space is required for chair storage, etc., the space should be justified on an individual basis.

Note:

410 Reading/Study/Reference Room

Each Academic Department or Administrative Unit may have a reference room for use by administrators, faculty and students associated with a particular department or administrative unit. Definition, limitations and standards are included under Category 400 Study Facilities. Although this space is normally located in an administrative unit's or academic departments area, it should be assigned to Category 400 Study Facilities and not Category 300.

730 Storage

Each Academic Department or Administrative Unit is entitled to storage space associated with its lab, office, and study areas. Definitions, limitations and standards are under Category 730 Storage and should be classified as a part of that category.

400 STUDY FACILITIES

Included in this category is University library space located in both central and satellite facilities and contains reading/study rooms, stacks, and library support space. In addition, this category includes reference rooms assigned to individual departments.

410 Reading/Study/Reference Room

Definition

A room used by individuals to study books or audio-visual materials. Included are library reading rooms, carrels, study rooms, individual-study stations, study booths, and similar rooms that are intended for general study purposes. Study stations may be grouped (as in a library reading room) or individualized (as in carrel). Study stations in a reading room may include remote terminals of a computer, electronic display equipment, etc. Reading rooms need not be located only in libraries but may be found also in residence halls and academic buildings. Also each academic department or administrative unit may have (if required) a reference room for use by administrators, faculty and students associated with that particular department or administrative unit.

Limitations

Does not include individual-study laboratories (230) limited in use to a particular area of study. This category does not include classrooms(110), class laboratories (210), special-class laboratories (220), research laboratories (250), offices (310), sleep/study rooms in residence halls or other housing units (910 or 920), waiting rooms (315), or lounge facilities (650).

Standards

Departmental Reference Room:

Net Assignable Square Feet Criteria for a Reference Room (for new or renovated facilities) depends on the type of department or administrative unit and the primary intended use of this area. The maximum amount of stations should be determined based either on 5 percent of the full time equivalent (FTE) students enrolled in courses offered by the department or 50 percent of the faculty and staff associated with the department or administrative unit.

Station size criteria - - - - -15 NASF per student or faculty and staff

Stack unit size criteria - - - - -12 NASF per bookcase, periodical rack, etc., required

Library Reading/Study Room:

Library Reader Station Criteria (for new or renovated facilities): 15 percent of undergraduate FTE students, 15 percent graduate FTE students and 5 percent of FTE faculty will be provided with reading stations.

Station size criteria--30 NASF per student and faculty

420 Stack Space

Definition

A room (or portion of a room) used to provide shelving for library or audio-visual materials.

Limitations

Does not include bookshelf space in classrooms, laboratories, or offices. Audio-visual film and tape libraries that serve groups (rather than individuals) are classified as Category 535. Separate rooms containing musical scores, records, and tapes are classified as stack space, only if the primary purpose of the materials is for instruction or research (as in a library or music building).

Standards

Stack space requirements are determined by the following guidelines:

<u>Type of Material</u>	<u>Number of Items Per Stack Unit</u>				<u>NASF per Stack Unit</u>
Medical Bound Volumes	100	per single-face section			8.7
Bound Volumes	125	“	“	“	8.7
Documents and Pamphlets	1,000	“	“	“	8.7
Microfiche	10,000	“	“	“	8.7
Microfilm Reels	400	“	“	“	8.7
Microprint Cards	10,000	“	“	“	8.7
Newspaper Titles Unbound	7	“	“	“	8.7
Newspaper Bound Volumes	9	“	“	“	8.7
Periodical Titles Unbound	15	per display section			15.0
Periodical Titles Boxed	30	per single face section			8.7
Recordings	500	“	“	“	8.7
Reference Volumes	75	per four shelf section			15.0
Maps	1,000	per case			42.0
Slides	10,000	per case			17.0

Add 10 years of stack expansion space to provide for a minimum amount of growth by using the average increase in library materials over the past 5-10 years and providing for any foreseeable change in the volume or type of materials acquired.

430 Open-Stack Reading Room

Definition

A combination reading room and stack area, generally without physical boundaries between the stack and reading areas.

Limitations

Not used if the area of an open stack reading room can be prorated to reading/study room and stack space at the time the physical inventory is made.

Standards

See standards for both Category 410 Reading/Study Room and Category 420 Stack Space.

440 Library Support Space

Definition

A room which serves reading/study rooms or stack space as a supporting service to such rooms. There are two types of Library Support Space: Library Support Work Stations and General Library Support Space. Library Support Work Stations include: circulation desks, cataloging stations, bookbinding and mending stations, etc. General Library Support Space includes: card catalog areas, audio-visual and record-playback equipment storage areas used for distribution to individual-study stations, etc.

Limitations

Does not include such library space as offices for staff; acquisitions work areas that are to be classified as offices; campus-wide audiovisual preparation areas, bookbinding and microfilm processing areas that are to be classified as shop facilities; instructional facilities for library science staff that are classrooms, class laboratories, special-class laboratories; offices, or other appropriate designations.

Standards

Library support work station space requirements are determined by the following guidelines:

<u>Type of Work Station</u>	<u>NASF/Station</u>
Binding and Mending	
Technical and Clerical	250
Photocopy	
Technician	250
Clerical	100
Shipping and Receiving	
Clerical	300
Cataloging	
Head, Cataloging	150
Catalogers	120
Clerical	100
Reference	
Reference Libraries	120
Clerical	100
Circulation	
Head, Circulation	150
Circulation Librarians	120
Clerical	100

AHC Personnel times Variable Station Allowance (see above) = Library Support Work Station Requirement

General library support space requirements are determined by the following guidelines:

5% of the sum of the Reading/Study Rooms, Stack Space and Library Support Work Stations = General Library Support Space Requirement

455 Study Service

Definition

A room which directly serves study/reading rooms, stacks, open stack reading rooms or library support work stations as a direct extension of the activities in those rooms. Included are such areas as closets, locker space, coatrooms, etc.

Limitations

Does not include card catalogs, circulation desks, and other areas designated as Category 440 Library Support Space.

Standards

Based on programmatic need.

500 SPECIAL USE FACILITIES

510 Armory

Definition

A room used by Reserve Officer Training Corps (ROTC) units. Includes all indoor drill areas, indoor rifle ranges, and special purpose military science rooms.

Limitations

Classrooms, class laboratories, and offices in armory are designated as such, even though they are located in an armory building.

Standards

Based on programmatic need.

520 Athletic/Indoor Recreation/Physical Education

Definition

A room or area used by students, faculty or staff for intercollegiate athletic or indoor recreation/physical education activities. Included are gymnasiums, basketball courts, handball courts, swimming pools, indoor tracks, fieldhouses etc.

Limitations

No distinction is made on the basis of instructional versus recreation or intercollegiate athletic use of gymnasiums, swimming pools, etc.

Standards

Indoor recreation/physical education and service space requirements are determined by the following guidelines:

Predicator:

- HC Students
- AHC Faculty and Staff
- HC PE Majors
- HC PE Minors

Allowance:

Core Requirement (1,000 HC Students)	=	40,800 NASF
Core Requirement (5,000 HC Students)	=	68,000 NASF
HC Students (above core) – Resident Campus	=	9 NASF
HC Students (above core) – Nonresident Campus	=	1 NASF
AHC Faculty and Staff	=	1 NASF
PE Majors	=	35 NASF
PE Minors	=	20 NASF

Formula:

Core Requirement plus HC Students (@ 9 NASF or 1 NASF) plus AHC Faculty and staff (@ 1 NASF) plus PE Major (@ 35 NASF) plus PE Minors (@ 20 NASF) = Indoor Recreational/Physical Education Space Requirement

Intercollegiate athletic space requirements are determined by the following guidelines:

Formula:

Based on programmatic need.

523 Athletic Spectator Seating

Definition

The seating area used by students, faculty and staff, or the general public to watch athletic events.

Limitations

Does not include temporary or movable seating areas. Stadium seating by definition is structural area.

Standards

Bench seating -- 4.0 NASF per seat
Standard Seating (with backs) -- 6.0 NASF per seat

525 Athletic/Indoor Recreation/Physical Education Service

Definition

A room that directly serves an intercollegiate athletic or indoor recreation/physical education facility as an extension of the activities in that facility. Included are locker rooms, shower rooms, coaches' rooms, ticket booths, dressing rooms, towel rooms, first-aid rooms, equipment rooms, etc.

Limitations

Does not include public toilet rooms.

Standards

Indoor recreation/physical education service space is accounted for in the indoor recreation/physical education space standards. Intercollegiate athletic service space is based on programmatic need.

530 Audio-Visual, Radio, Television

Definition

A room or group of rooms used for the production and distribution of audio-visual, radio, and television materials and for the operation of equipment for the communication of these materials.

Limitations

Studios used primarily as part of an instructional program to train students in communication techniques should be considered class laboratories if scheduled, or as special-class laboratories if not scheduled.

Standards

No explicit methods and criteria can be applied to the evaluation and planning of audio-visual, radio, and television facilities. Such facilities must be evaluated with the scope and scale of each institutions and departments audio-visual, radio, and television operations in mind.

535 Audio-Visual, Radio, Television Service

Definition

A room that directly serves an audio-visual, radio, or television facility as an extension of the activities in that facility. Included are film libraries, tape libraries, control rooms, videotape recorder rooms, property storage, recording rooms, engineering maintenance rooms, darkrooms, preparation rooms, and equipment storage rooms.

Limitations

Control rooms, recording rooms, and similar facilities used primarily to train students in communication techniques should be classified as class-laboratory service or special-class laboratory service.

Standards

Audio-visual, radio, television service space varies with the evaluation of the audio-visual, radio, television space and programs.

540 Clinic (Nonhealth Professions)

Definition

A room used for the diagnosis and/or the treatment of patients in a program other than medicine, dentistry, and student health care. Included are patient examination rooms, testing rooms, and consultation rooms. Clinics are typically associated with such educational areas as psychology, speech pathology and audiology, remedial reading and remedial writing.

Limitations

Does not include clinics associated with student health care or clinics for the medical or dental treatment of humans or animals.

Standards

Based on programmatic need.

545 Clinic Service (Nonhealth Professions)

Definition

A room that directly services a clinical facility as an extension of the activities of that facility. Included are waiting rooms, observation rooms, control rooms, records rooms, and similar supporting rooms.

Limitations

Does not include rooms which serve health-care facilities.

Standards

Based on programmatic need.

550 Demonstration

Definition

A room (or group of rooms) used to practice the principles of certain disciplines such as teaching and home economics.

Limitations

Demonstration schools, laboratory schools, preschool nurseries, and home management houses in which the students serve as the subjects for a research study are classified as research laboratories. Rooms that serve nursery, elementary, or secondary school students will not be classified as classrooms, class laboratories, or offices, etc., but rather as demonstration facilities. However, classrooms or class laboratories in such facilities used primarily for college-level students should be so classified. Offices, conference rooms, and meeting rooms used by college-level staff should be so classified.

Standards

Based on programmatic need.

555 Demonstration Service

Definition

A room that directly serves a demonstration facility as an extension of the activities of that facility.

Limitations

The distinction between a demonstration facility and demonstration facility service is somewhat arbitrary. In general, the primary activity areas such as kitchen, dining room, living room (in a home demonstration house), or classrooms, laboratories, gymnasiums that serve nursery, elementary, or secondary school students (in a laboratory school-- should be designated as demonstration facilities.

Standards

Based on programmatic need.

560 Field Building

Definition

A barn or similar structure for animal shelter or the handling, storage, and/or protection of farm products, supplies, and tools, and for field experiments. Included are barns, animal shelters, sheds, silos, feed units, hay storage, and seed houses. Greenhouses used for farm operations are included in this category. Structures are typically of light frame construction with unfinished interiors, usually but not exclusively related to agricultural field operations, and are frequently located outside the control campus area. Also included are meteorological field test stations.

Limitations

Location of a building is not sufficient justification for classification as a field building. Finished rooms such as endocrine research laboratories, dairy research laboratories, etc., should be classified as research laboratory facilities.

Standards

Based on programmatic need.

570 Animal Quarters

Definition

A room that houses laboratory animals maintained for research and/or instruction purposes.

Limitations

Does not include areas for treatment of patient animals.

Standards

Animal quarters space requirements are determined by the following guidelines:

<u>Type of Stall</u> _____	<u>Area per Animal (NASF)</u>
Cattle	150
Equine	144
Calve and Swine	32
Sheep	16
Other (dog, cat, rabbit, rat, etc.)	Varies

Corridors – 10 feet wide

Feed Aisles – 7 feet wide

575 Animal-Quarters Service

Definition

A room that directly serves an animal-quarters facility as an extension of the activities in that facility. Included are feed storage rooms, feed mixing rooms, cage washing rooms, and similar facilities such as surgery, casting, or instrument rooms.

Limitations

Does not include service areas used for the treatment of patient animals.

Standards

Based on programmatic need.

580 Greenhouse

Definition

A building or room, usually composed chiefly of glass or other light-transmitting material, for the cultivation and/or protection of plants for research and/or instruction purposes.

Limitations

Does not include greenhouse facilities related to farm operations. See category 560 field building.

Standards

Based on programmatic needs.

585 Greenhouse Service

Definition

A room that directly serves a greenhouse facility as an extension of the activities in that facility. Included are rooms generally referred to as headhouses.

Limitations

Does not include greenhouse-service facilities related to farm operations. See category 560 field building.

Standards

Based on programmatic need.

590 Other

Definition

This category is included only as a category of last resort to be used to account for and classify those facilities that cannot be described, even approximately, with other codes and definitions.

Limitations

Should have very limited use, if used at all.

Standards

Based on programmatic need.

600 GENERAL USE FACILITIES

605 Student Unions

Definition

A facility which contains a multitude of student services such as lounges, activity areas (pool tables, bowling, ping pong, etc.), food facilities, etc.

Limitations

Does not include gymnasiums, basketball courts, handball courts, swimming pools, or indoor fields that could be classified as athletic/indoor recreation/physical education space. Does not include bookstore space.

Standards

Net assignable square feet criteria for student unions includes space for lounges, activity areas, merchandising, meeting rooms, food facilities, and associated service space. It excludes staff offices and student health facilities.

All Campuses -- 6.5 NASF per delivery site headcount student.

610 Assembly

Definition

A room designed and equipped for the assembly of large numbers of people for such events as dramatic musical devotional, or livestock-judging activities. Includes theaters, auditoriums, concert halls, arenas, chapels and livestock-judging pavilions.

Limitations

Assembly facilities used primarily for instructional purposes are classified as classroom facilities.

Standards

Assembly facilities exemplify as space need for which there is no single controlling guideline. Therefore, each area must be examined with the activity it is primarily used for.

615 Assembly Service

Definition

A room that directly serves an assembly facility as an extension of the activities in that facility. Included are checkrooms, coat rooms, ticket booths, dressing rooms, projection booths, property storage, makeup rooms, control rooms, etc.

Limitations

Lobbies are nonassignable space classified as circulation area.

Standards

Assembly service space varies with the type of assembly space it is serving and is evaluated at the same time as the assembly space.

620 Exhibition

Definition

A room used for exhibition of materials, works of arts, artifacts, etc., and intended for general use by students and the public. Includes museums, art galleries, and similar exhibition areas.

Limitations

Collections not primarily for general exhibition, such as departmental displays of anthropological, botanical, or geological specimens should be considered under an appropriate laboratory category.

Standards

Museums, art galleries, and similar types of exhibition facilities generally are institutionally unique in size, content, and operation. Because of their unique characteristics, no particular method of planning criteria are available which can be applied to all types.

625 Exhibition Service

Definition

A room that directly serves an exhibition facility as an extension of the activities in that facility. Included are workrooms, vaults, storage for works of art, checkrooms, etc.

Limitations

Research areas in museums are considered research laboratories or research-laboratory service.

Standards

Must be evaluated when exhibition space is evaluated.

630 Food Facilities

Definition

A room used for eating. Includes dining halls, cafeterias, snack bars, restaurants, and similar eating areas, including such areas in residence halls, faculty clubs, etc. This category includes facilities open to the student body and/or the public at large. Areas intended primarily as food facilities, even though containing vending machines, rather than serving counters, are included in this category.

Limitations

Rooms with vending machines other than for regular meal service are classified as lounge facilities or merchandising facilities.

Standards

Based on programmatic need.

635 Food-Facilities Service

Definition

A room that directly serves a food facility. Included are kitchens; refrigeration rooms; freezers; dishwashing rooms; areas for cafeteria serving, preparation, cleaning etc.; and similar areas in residence halls.

Standards

Must be evaluated at the same time food facilities space is evaluated.

640 Bookstore

Definition

A facility used to sell books and student supplies.

Limitations

Office space associated with a bookstore should be classified as category 300.

Standards

Resident Campus -- 2.0 NASF per delivery site headcount student

Nonresident Campus -- 1.0 NASF per delivery site headcount student

Consult with the National Association of College Stores for a more detailed analysis of bookstore facilities.

650 Lounge

Definition

A room used for rest and relaxation by students and/or the general public. This guideline refers only to general use (public) lounge space within a building. Other types of “lounge” space are treated as follows:

- 1) Lounges located within a Student Union are included in space guidelines for union-type facilities. Normally the amount of space required for Student Union functions is determined on a campus-wide basis in consideration of the total number of students served.
- 2) Faculty, staff and civil service lounges assigned to departments are accounted for in the office service component of the office guidelines (see Appendix C).
- 3) In similar fashion, lounges located in libraries are included in the service space component of the study facility guidelines.

Limitations

A lounge is distinguished from a conference room and a meeting room by its more informal atmosphere and its general public availability.

Standards

A student lounge area may be programmed for each building based on student use of the building. The purpose of the facility is for informal study and/or relaxation before, between and after class periods. Vending machines should be located in this area. It should normally be located adjacent to main circulation patterns adjacent to faculty lounge areas.

The requirement for this type of space is generated by the number of students and visitors accessing the building. The amount of student traffic resulting from instructional activities is reflected in and can be projected from the number of classroom seats and laboratory stations existing or planned in the building. The amount of visitor traffic resulting from non-instructional activities could require additional lounge space and will be based on programmatic need.

Lounge space requirements are determined by the following guidelines:

Predicator:

Total classroom stations

Formula:

Total classroom & lab stations times 1.5 NASF = Total Building Lounge Requirement

655 Lounge Service

Definition

A room that directly serves a lounge facility as an extension of the activities in that facility. Included would be kitchenettes.

Standards

Space standards are included in the lounge standards.

660 Merchandising Facilities

Definition

A room used to sell products or services. Included are barber shops, post offices, dairy stores and vending machine areas devoted wholly to vending machines.

Limitations

Does not include dining rooms, snack bars and similar food facilities, or vending machine areas associated with food facilities or lounges. It does not include meeting rooms or conference rooms. Hotel rooms are classified as residential facilities.

Standards

Based on programmatic need.

665 Merchandizing-Facilities Service

Definition

A room that directly serves merchandising facilities. Included are supply closets, sorting rooms, freezers, telephone rooms and private toilets.

Standards

Based on programmatic need.

670 Recreation

Definition

A room used by students, faculty and staff, and/or the public for recreational purposes. Included are bowling alleys, pool and billiard rooms, ping pong rooms, ballrooms, chess rooms, card-playing rooms and hobby rooms.

Limitations

Does not include gymnasiums, basketball courts, etc., that should be classified as athletic/indoor recreation/physical education facilities.

Standards

Based on programmatic needs.

675 Recreation Service

Definition

A room that directly serves a recreation facility as an extension of the activities in that facility. Included are storage closets, equipment-issue rooms, cashier's desks, and similar rooms.

Limitations

Does not include kitchens, snack bars, or other food facilities. It does not include space that should be classified as athletic/indoor recreation/physical education service space.

Standards

This area is to be developed as required to support recreation space.

680 Meeting Room

Definition

A room used for a variety of nonclass meetings primarily by groups for general purposes such as student senate, student government, and community groups.

Limitations

Distinguished from conference rooms because conference rooms are considered part of an office complex and are generally used for staff meetings or other departmental nonclass activities.

Standards

<u>--Net Assignable Square Feet Per Station*--</u>			
<u>Station Count</u>	<u>Tables and Chairs</u>	<u>Chairs</u>	<u>Auditorium Theatre Seating</u>
10-29	20-30	15	--
30-39	20-25	14	--
40-49	18-22	14	--
50-59	18-22	13	--
60-99	18-22	12	10-14
100-149	16-20	11	9-12
150-300+	16-20	10	8-10

*Includes Meeting Room Service Space.

685 Meeting-Room Service

Definition

A room that directly serves one or more meeting rooms. Included are kitchenettes, chair storage rooms, projection rooms, sound equipment, etc.

Limitations

Does not include kitchens, dining rooms, and similar facilities in a centralized conference-type building.

Standards

Meeting-room service standards are included with the meeting room space standards.

690 Locker Rooms

Definition

A room used for changing clothes and/or storing personal materials.

Limitations

Does not include physical education or intercollegiate athletics locker rooms and areas which are athletic/indoor recreation/physical education service space.

Standards

<u>Number of Lockers</u>	<u>Net Assignable Square Feet Per Locker</u>			
	<u>Without Showers and Toilets</u>		<u>With Showers and Toilets</u>	
	<u>Full Length</u>	<u>Half Length</u>	<u>Full Length</u>	<u>Half Length</u>
1 - 30	7.0	5.0	22.0	20.0
31 - 99	6.8	3.4	16.3	12.9
100+	5.6	2.8	10.1	7.3

700 SUPPORTING FACILITIES

702 Physical Plant Support Space

Definition

Facilities used in the actual physical operation of the campus, including areas such as carpenter, plumbing, electrical and painting shops and grounds shops and storage areas.

Limitations

Does not include campus power plant boiler rooms or instructional shops such as vocational-technical or industrial arts shops.

Standards

Physical plant support space requirements are determined by the following guidelines:

Building Maintenance:

0.75 percent NASF of campus area served by the Physical Plant

Grounds:

50 NASF per campus acre served by the Grounds Department.

705 Stores

Definition

A central facility for the processing and storage of all materials used by the University.

Limitations

Offices located in store areas are considered office facilities. Does not include central food stores.

Standards

General stores space requirements are determined by the following guidelines:

1.0 NASF per freshman and sophomore headcount student

1.5 NASF per junior and senior headcount student

2.0 NASF per beginning graduate headcount student

4.5 NASF per advanced graduate headcount student

Hospital/clinic stores space requirements are determined by the following guidelines:

Based on programmatic need.

710 Data Processing/Computer

Definition

A room used for the processing of data by computers. Includes keypunch rooms, electronic data processing rooms, electronic computer rooms, and similar data processing areas.

Limitations

Does not include rooms containing desk calculators, post-billing machines, check writing machines, and similar office or office-service rooms. Rooms used as offices which contain computer equipment should not be prorated by should be classified as office facilities. A room with computer equipment that is used only for instruction should be classified as class laboratory, special-class laboratory or individual-study laboratory.

Standards

Space requirements for data processing/computer facilities will vary widely with the size and type of equipment, staff patterns, user services provided, the degree of centralization and the use of remote equipment. Therefore, guidelines for data processing/computer areas are based on programmatic need.

715 Data Processing/Computer Service

Definition

A room that directly serves a data processing/computer facility. Included are card-storage, paper storage, tape-storage, and control rooms; wiring rooms; equipment repair rooms, and similar service areas.

Limitations

Does not include rooms for data processing personnel. These rooms should be considered offices.

Standards

Data processing/computer service space must be evaluated with the data processing/computer space needs.

720 Shop

Definition

A room used for the manufacture, repair, or maintenance of products or equipment. Included are carpenter, plumbing, electrical, and painting shops, which are not part of Category 702-Physical Plant Support Space. Also included are central printing and duplicating shops, and campus-wide or centralized audio-visual preparation areas.

Limitations

Does not include instructional shops (class laboratories), maintenance and repair areas for vehicles (vehicle-storage facilities service) or Engineering drafting rooms (office facilities).

Standards

Based on programmatic need.

725 Shop Service

Definition

A room that directly serves a shop facility. Included are tool-supply storage rooms, material storage rooms and similar equipment storage rooms. Locker, shower, lunch rooms and similar non-public areas that serve a shop facility should be included.

Limitations

Does not include service areas related to instructional shops.

Standards

Based on programmatic need.

730 Storage

Definition

A room used to store materials. Classification of a room as a storage facility is limited to a central storage facility (warehouse) and inactive departmental storage.

Limitations

Storage related to other types of space follows the classification of that type of space with a “service” designation. For example, a storage closet for office supplies is classified as office service. The distinction between the “service” and “storage” classifications rests on the possibility of physical separation of the materials stores. If the materials being stored could be placed in a warehouse, implying only occasional demand for the materials, then storage facility is the appropriate classification. Storage that must be close at hand because of the nature of the materials stored and the demands placed upon them by the program should be classified in the appropriate “service” category.

Standards

Predicator:

Department’s analyzed student lab, research, office and study facilities space needs (NASF).

Allowance:

Variable Percentage (Appendix B)

Formula:

Space Needs (Student Lab + Research Lab + Office + Study) times Variable Percentage = Storage Space Requirement

735 Storage Service

Definition

A room that directly services a storage facility such as an indoor loading dock, etc.

Standards

Based on programmatic need.

740 Vehicle-Storage Facility

Definition

A room or structure that is used to house and/or store vehicles. Included are parking structures and other rooms and buildings generally referred to as garages, boathouses, airport hangars, and other storage areas for vehicles.

Limitations

Does not include portions of barns or similar field building facilities used to house farm implements. Uncovered exterior parking areas are excluded.

Standards

Based on programmatic need.

745 Vehicle-Storage Facility Service

Definition

A room used to service vehicles. Included is any area associated with a vehicle-storage facility used for maintenance and repair of automotive equipment, boats, airplanes, and similar vehicles.

Limitations

Does not include service areas that serve building maintenance and repair.

Standards

Based on programmatic need.

750 Central Food Stores

Definition

A central facility for the processing and storage of foods used in food facilities. Included are food storage areas, lockers, cold rooms, refrigerators, meat processing areas and similar facilities located in a central food-stores building.

Limitations

Offices located in a central food-stores building are so classified. Food storage areas, freezers, lockers, etc., not located in a central food-stores building are classified as food-facilities service.

Standards

Based on programmatic need.

790 Support Space

Definition

A room used in the general support of a program (i.e. mail sort room).

Limitations

Does not include shops used to manufacture, repair or maintain a product.

Standards

Based on programmatic need.

800 HEALTH-CARE FACILITIES

805 Student Health Center

Definition

Facilities used to meet student health needs that include: patient bedroom, patient bath, nurse station, surgery, treatment, service laboratory, supply, waiting and health-care service rooms.

Limitations

Offices in the Student Health Center are considered office facilities. A medical center does not require a separate Student Health Center.

Standards

Student health center space requirements are determined by the following guidelines:

Resident Campus -- 1.0 NASF per delivery site headcount student

Nonresident Campus-- 0.5 NASF per delivery site headcount student

810 Patient Bedroom

Definition

A room equipped with a bed and used for patient care. Included are connected clothes closets and stalls for animal patients.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment for Hospitals and Medical Facilities.

820 Patient Bath

Definition

A room containing patient bath and toilet facilities. Included are toilet/bath facilities adjoining or in conjunction with patient bedrooms.

Limitations

Public toilet facilities are excluded.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment for Hospitals and Medical Facilities.

830 Nurse Station

Definition

A room or area used by nurses who are supervising and/or administering health-care facilities. Included are areas devoted to records charting, reception desks, admission desks, and areas adjoining nurses stations, such as utility rooms, work-storage areas, formula-preparation areas, medications areas, etc.

Limitations

Rooms that can be identified as offices should be classified as such.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment for Hospitals and Medical Facilities.

840 Surgery

Definition

A room used for surgery. Included are major and minor surgery rooms, delivery rooms, special-procedures operating rooms, and rooms used in conjunction with and as a direct extension of the activities of a surgery room, such as labor rooms, recovery rooms, monitoring/observation rooms, special support-equipment rooms, dictation booths, scrub-up areas, instrument cleanup and storage, gurney storage, and sterile-supplies storage.

Limitations

Does not include surgery, casting, instrument rooms, etc. that serve laboratory animals used for research and/or instructional purposes.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment for Hospitals and Medical Facilities.

850 Treatment

Definition

A room used for diagnostic and therapeutic treatment. Included are rooms used for radiology, fluoroscopy, angiography, physical therapy, dialysis, cardiac catheterization, pulmonary function/vascular testing, EEG, ECG, EMG, combined doctor's office and examination/treatment rooms, and rooms which support treatment rooms as a direct extension of the activities of such a facility, such as dressing rooms, film-processing and viewing rooms, work-preparation rooms, and special-equipment storage.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment of Hospitals and Medical Facilities.

860 Service Laboratory

Definition

A room used to provide diagnostic support services to health-care facilities. Included are pathology, pharmacy, autopsy labs, etc., and rooms which serve service laboratories such as rooms generally referred to as cadaver storage/morgue, autoclave and centrifuge rooms, and warm and cold rooms.

Limitations

Does not include class laboratories, special-class laboratories, or other facilities used primarily for organized instruction.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment for Hospitals and Medical Facilities.

870 Supplies

Definition

A room used to store supplies for health-care facilities. Included are the central supply, pharmacy supplies/storage and dispensary, miscellaneous storage of a relatively inactive nature other than that included in other primary and service-room facilities.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment for Hospitals and Medical Facilities.

880 Public Waiting

Definition

A room used by the public to await admission, treatment, or information. Included are lobbies, waiting and reception areas, visiting areas, and viewing areas.

Limitations

Lounges are excluded from this category.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment for Hospitals and Medical Facilities.

895 Health-Care Service

Definition

Rooms used for housekeeping, and linen storage and handling. Includes rooms used by housekeeping staff for store rooms, closets, locker rooms, etc., for building maintenance and operation.

Limitations

Nonassignable areas are explicitly excluded from this category; excludes mechanical equipment areas.

Standards

Outlined in Department of Health, Education and Welfare Publication No. 74-4000, Minimum Requirements of Construction and Equipment for Hospitals and Medical Facilities.

900 RESIDENTIAL FACILITIES

910 Sleep/Study without Toilet/Bath

Definition

One or more residential rooms for one or more individual(s) typically furnished with bed(s), wardrobe(s), desk(s), and chair(s), without an internally connected bath.

Limitations

Study rooms are general use, available and open to the dormitory residents at large and not part of bedroom or sleeping room suites, should be classified as reading/study rooms. Residential quarters equipped with cooking facilities are classified as apartments. Separate food-preparation rooms serving sleep/study areas, including small kitchens used by the occupants, are classified as food-service facilities.

Standards

Sleep/study without toilet/bath space requirements are determined by the following guidelines:

Double Occupancy--165 to 215 NASF

919 Toilet/Bath

Definition

A toilet and/or bathroom intended only for the occupants of the residential facilities, rather than for the general public. Includes shared bathroom facilities which may consist of full or half bath, showers, or toilet and shower combinations, used by the residents and accessible from a corridor or other general circulation area.

Limitations

Does not include public rest rooms.

Standards

Based on programmatic need.

920 Sleep/Study with Toilet/Bath

Definition

One or more rooms for individual(s), typically furnished with bed(s), wardrobe(s), desk(s), and chair(s) with an internally connected bath.

Limitations

Study rooms for general use, available and open to the dormitory residents at large and not part of bedroom or sleeping room suites, should be classified as reading/study rooms. Residential quarters equipped with cooking facilities are classified as apartments. Separate food-preparation rooms serving sleep/study areas, including small kitchens used by the occupants, are classified as food-service facilities.

Standards

Based on programmatic need.

935 Sleep/Study Service

Definition

A room which directly serves the occupants of an individual sleep/study room with or without a toilet/bath. Included are mail rooms, laundry and pressing rooms, linen closets, maid rooms, serving rooms, trunk storage rooms, and telephone rooms which serve the occupants of sleep/study facilities.

Limitations

Does not include food facilities, central laundry, central food stores, toilet/bath, lounge facilities, recreation or activity areas, or nonassignable building service areas.

Standards

Based on programmatic need.

950 Apartment

Definition

A complete living unit that is not a separate structure. A complete housekeeping unit which contains bedroom(s), living room(s), kitchen and toilet facilities.

Standards

Based on programmatic need.

955 Apartment Service

Definition

A room or area that directly serves an apartment. Included are laundry rooms, mail rooms, linen closets, maid rooms, trunk storage rooms, and telephone rooms which serve apartment facilities.

Standards

Based on programmatic need.

970 House

Definition

A complete living unit that is separate structure. A complete housekeeping unit which contains bedroom(s), living room(s), kitchen and toilet facilities.

Standards

Based on programmatic need.

000 UNCLASSIFIED FACILITIES

050 Inactive Area

Definition

Rooms available for assignment to an organizational unit or activity but unassigned at the time of the inventory.

Limitations

Rooms being modified or not completed at the time of the inventory are classified as alteration or conversion areas or unfinished areas.

Standards

None

060 Alteration or Conversion Area

Definition

Rooms temporarily out of use because they are being altered, remodeled, or rehabilitated at the time of the inventory.

Limitations

Rooms inactive or not completed at the time of the inventory are classified as inactive areas or unfinished areas respectively.

Standards

None

070 Unfinished Area

Definition

All potentially assignable areas in new buildings or additions to existing buildings not completely finished at the time of the inventory.

Limitations

Intended only for the unfinished part of a building or addition; the parts that are in use should be classified elsewhere.

Standards

None

NONASSIGNABLE AREA

WWW Circulation Area

Definition

Area used for physical access to some subdivision of space whether directly bounded by partitions or not. Should include but not be limited to corridors, elevator shafts, escalators, fire towers, stairways, loading platforms, elevator lobbies, and tunnels and bridges.

Limitations

When determining corridor areas, only horizontal space required for general access should be included – not aisles used only for circulation within office suites, auditoriums, or other working areas. Deductions should not be made for necessary building columns and projections.

Standards

None

XXX Custodial Area

Definition

All areas of a building used for its protection, care and maintenance. Should include such areas as trash rooms, guard rooms, custodial rooms, custodial locker rooms and custodial supply rooms.

Limitations

Should not include central physical plant shop areas, nor special purpose storage or maintenance rooms, such as linen closets and maid rooms in residence halls.

Standards

None

YYY Mechanical Area

Definition

Area which houses the mechanical equipment, utility services, and nonprivate toilet facilities. Should include, but not be limited to, mechanical areas in central utility plants, air duct shafts, boiler rooms, fixed mechanical and electrical equipment rooms, fuel rooms, mechanical service shafts, meter and communication closets, service chutes, stacks, and public toilet rooms.

Limitations

Deductions should not be made for necessary building columns and projections.

Standards

None

ZZZ Structural Area

Definition

That area of the building which provides the structural integrity. Building features normally classified as structural area are exterior walls, fire walls, permanent partitions, and unusable areas in attics, basements, or comparable portions of a building.

Limitations

Should not be construed to mean that portion of the building which cannot be occupied or put to use because of structural building features.

Standards

None

APPENDIX A

CATEGORY 100 SPACE GUIDELINES FOR SEMINAR ROOMS, CLASSROOMS, AND LECTURE HALLS BASED ON TYPE OF SEATING AND DESK AREA

The ranges of classroom unit area criteria shown below should be used in classroom design. Different room shapes, seating configurations, and amounts of circulation space within the classroom can modify these space guidelines. The net assignable square feet per station includes service space.

<u>Room Type</u>	<u>Station Count</u>	<u>Net Assignable Square Feet Per Station (1)</u>					
		<u>Tables and Chairs</u>	<u>Study Carrels (2)</u>	<u>Armchair Desks</u>		<u>Auditorium Seating</u>	
				<u>Small</u>	<u>Large</u>	<u>Theatre</u>	<u>Continental</u>
Seminar Rooms	5-9	20-30	27-30	20	30	--	--
	10-19	20-30	27-30	18	22	--	--
Classrooms	20-29	20-30	27-30	16	20	--	--
	30-39	20-25	26-29	15	18	--	--
	40-49	18-22	25-28	14	16	--	--
	50-59	18-22	25-28	14	16	--	--
	60-99	18-22	25-28	13	15	10-14	18-22
Lecture Halls	100-149	16-20	24-27	11	14	9-12	16-20
	150-300+	16-20	24-27	10	14	8-10	14-18

(1) Includes Classroom Service Space.

(2) Includes area of working surface; area occupied by chair; a reasonable share of the circulation space in the room; and service space.

APPENDIX B
CLASS LAB. (210 & 215), RESEARCH LAB. (250 & 255) AND STORAGE (730)
SPACE GUIDELINES

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
<u>COLLEGE OF AGRICULTURE</u>				
General Agriculture	20	0	0	5
Agriculture Biostatics	220	15	1	2
Agriculture Biochemistry	425	55	9	5
Agricultural Communications	40	15	8	5
Agricultural Economics	20	15	1	2
Agricultural Education	40	40	8	5
Agricultural Engineering	300	80	80	20
Agronomy	365	55	9	10
Animal Science	350	80	16	2
Biom. & Info. Sys. & AGNET	220	0	0	2
Conservation & Survey	350	0	0	3
Entomology	260	40	8	5
Food Science and Technology	345	70	10	2
Forestry, Fisheries, & Wildlife	220	40	8	5
Horticulture	300	55	9	5
Meteorology/Climatology	0	0	0	5
Plant Pathology	220	55	9	5
Veterinary Science	475	70	10	5
<u>COLLEGE OF ARCHITECTURE</u>				
Architecture	80	70	10	5
Landscape Architecture	80	70	10	5
Community and Regional Planning	80	70	10	5
Community Resources and Research	0	0	0	5

APPENDIX B (Cont.)

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
<u>COLLEGE OF ARTS & SCIENCES</u>				
Actuarial Science	20	15	1	2
African-Black Studies	20	15	1	2
Anthropology	380	30	18	10
Art				
Drawing, Painting	225	90	6	5
Sculpture, Ceramics, Pottery	225	90	6	5
Art History	40	16	16	2
Biology	300	25	7	5
Chemistry				
General	430	54	18	5
Biochemistry	300	55	9	5
Classics	20	15	1	2
Computer Science	40	60	0	5
Dramatic Arts	20	90	6	2
English	20	15	1	2
Environmental Health	220	15	1	2
Geography	100	40	8	2
Geology	385	40	8	5
History	20	15	1	2
International Studies	20	30	2	2
Life Sciences				
General	450	0	0	5
Biochemistry	220	40	24	5
Cell Biology-Genetics	300	40	8	5
Ecology, Evolution & Behavior	300	55	9	5
Microbiology	220	60	20	5
Physiology	220	60	20	5
Plant and Animal Biology	220	50	20	5
Plant Pathology	220	55	9	5
Mathematics and Statistics	20	15	1	2
Modern Languages and Literature	20	15	1	2
Music				
General	205	0	0	2
Individual Practice	0	70	2	2
Group Practice	0	25	5	2
History and Appreciation	40	40	8	2

APPENDIX B (Cont.)

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
Philosophy	20	15	1	2
Physics and Astronomy	380	50	14	5
Political Science	20	36	12	2
Psychology	220	24	8	3
ROTC	0	40	45	2
Sociology	25	32	16	2
Speech Communications	60	15	1	2
Theatre Arts	15	90	6	10

COLLEGE OF BUSINESS ADMINISTRATION

General	20	0	0	2
Accounting	20	15	1	2
Bur. of Bus. Research	20	0	0	2
Economics	20	15	1	2
Finance	20	15	1	2
Management	20	15	1	2
Marketing	20	15	1	2

COLLEGE OF ENGINEERING & TECHNOLOGY

Chemical Engineering	350	60	36	5
Civil Engineering	450	100	44	5
Construction Management	40	125	160	5
Electrical Engineering	300	60	36	5
Engineering Mechanics	40	60	100	5
Industrial Engineering	160	70	90	5
Mechanical Engineering	300	100	28	5

COLLEGE OF HOME ECONOMICS

Education & Family Resources	40	25	7	2
Human Development & the Family	45	25	7	2
Human Nut. & Food Serv. Mgmt.	300	70	10	2
Textiles, Clothing & Design	220	60	10	2
Interior Design	100	60	30	2

APPENDIX B (Cont.)

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
<u>SCHOOL OF JOURNALISM</u>				
Advertising	40	40	8	2
Broadcasting	40	40	8	2
News/ Editorial Press	40	40	8	2
<u>COLLEGE OF LAW</u>	80	60	4	5
<u>COL. OF PUB. AFFAIRS & COMMUNITY SERV.</u>				
Criminal Justice	0	35	55	2
Gerontology	20	15	1	2
Public/Administration/Urban Studies	20	15	1	2
Social Work	20	15	1	2
<u>TEACHERS COLLEGE</u>				
Adult & Continuing Education	20	15	1	5
Barkley Memorial Center	225	0	0	5
Special Education	0	0	0	5
Speech Pathology & Audiology	40	55	100	5
Educational Administration	20	15	1	5
Educational Psych. & Social Found.	30	35	50	5
Elementary Education	100	80	16	5
Curriculum & Instruction	100	0	0	5
Counseling & Special Ed.	40	0	0	5
Health, Physical Educ. & Rec.	100	150	50	5
Secondary Education	20	15	1	5
<u>COLLEGE OF VETERINARY MEDICINE</u>				
Veterinary Medicine	300	50	80	5
Veterinary Medicine Specialties	300	40	70	5
Veterinary Biology	300	40	8	5

APPENDIX B (Cont.)

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
Veterinary Pathology	300	55	9	5
Veterinary Small Animals	300	70	10	5
Veterinary Large Animals	450	80	16	5

SCHOOL OF ALLIED HEALTH PROFESSIONS

Audiology & Speech Pathology	220	40	24	5
Medical Technology	220	40	24	5
Nuclear Medicine Technology	220	40	24	5
Physical Therapy	220	40	24	5
Physicians Assistant	220	40	24	5
Radiation Therapy	220	40	24	5
Radiologic Technology	220	40	24	5

COLLGE OF DENTISTRY

Adult Restorative Dentistry	220	50	14	5
Community Dentistry	220	50	14	5
Dental Hygiene	220	50	14	5
Endodontics	220	50	14	5
Oral Biology	220	50	14	5
Oral Path., Diagnostics & Radiology	220	50	14	5
Oral Surgery	220	50	14	5
Orthodontics	220	50	14	5
Pedodontics	220	50	14	5
Perodontics	220	50	14	5

COLLEGE OF MEDICINE

Anatomy	220	40	24	5
Anesthesiology	220	40	24	5
Biochemistry	220	40	24	5
Internal Medicine	220	40	24	5
Microbiology	220	40	24	5
Neurology	220	40	24	5
Neurosurgery	220	40	24	5

APPENDIX B (Cont.)

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
Obstetrics & Gynecology	220	40	24	5
Ophthalmology	220	40	24	5
Orthopedic Surgery	220	40	24	5
Otolaryngology	220	40	24	5
Pathology	220	40	24	5
Pharmacology	220	40	24	5
Physiology & Biophysics	220	40	24	5
Preventative Medicine	220	40	24	5
Psychiatry	220	40	24	5
Radiology	220	40	24	5
Surgery	220	40	24	5
Urology	220	40	24	5
 <u>COLLEGE OF NURSING</u>				
Nursing	20	15	1	5
 <u>COLLEGE OF PHARMACY</u>				
Pharmacy	220	40	24	5
 <u>SCHOOL OF TECH. AGRI.-CURTIS</u>				
Agricultural Business Technology	0	15	0	2
Agricultural Land & Water Tech.	0	77	12	2
Ag. Machinery Mechanics Tech.				
Welding and Small Engines	0	55	3	2
Tractors	0	161	0	2
Painting and Cleaning	0	182	0	2
Commercial Horticulture Technology	0	66	1	2
Production Agriculture Technology	0	46	0	2
Veterinary Technology	0	37	28	2

APPENDIX B (Cont.)

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
<u>AGRICULTURE EXPERIMENT STATIONS</u>				
Director's Office	0	--	--	5
Environmental Prog.	220	--	--	5
Foundation Seed	220	--	--	310
Northeast Station	275	--	--	105
North Platte Station	340	--	--	5
Panhandle Station	300	--	--	70
South Central Station	125	--	--	5
Univ. Field Laboratory – Mead	0	--	--	5
<u>EPPLEY INSTITUTE</u>				
Eppley Institute	355	--	--	5
<u>MEYER'S CHILDREN REHAB. INSTITUTE</u>				
MCRI	220	--	--	5
<u>NEBRASKA PYSCHIATRIC INSTITUTE</u>				
Adult Inpatient	220	--	--	5
Day Hospital	220	--	--	5
Educational Therapy	220	--	--	5
Psychology	220	--	--	5
Social & Preventative Psychiatry	220	--	--	5
<u>OTHER</u>				
President/Chancellor's Office	0	--	--	10
Vice-Presidents	0	--	--	10
Vice Chancellors	0	--	--	10
Secretary to the Board	0	--	--	25
Accounting	0	--	--	5
Admissions and Records	0	--	--	10

APPENDIX B (Cont.)

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
Ag. Finance & Personnel	0	--	--	5
Alumni Relations and Records	0	--	--	10
Athletics Department	30	--	--	2
Auto Rental	0	--	--	5
Budgeting Office	0	--	--	10
Bldg. Repair & Maintenance	0	--	--	5
Bursar	0	--	--	5
Business Manager	0	--	--	10
Comptroller	0	--	--	5
Cooperative Extension Administration	0	--	--	10
Custodial	0	--	--	5
Data Processing	0	--	--	25
Dean-Graduate College	0	--	--	10
Engineering & Inspection	0	--	--	10
Facilities Management & Planning	0	--	--	10
Faculty Senate	0	--	--	10
Financial Aid	0	--	--	10
4-H Youth Development	0	--	--	30
Grants Management	0	--	--	5
Institutional Research and Planning	0	--	--	10
International Programs	0	--	--	5
Legal Counsel	0	--	--	10
Multi-Cultural Affairs	0	--	--	5
Operations Analysis	0	--	--	10
Payroll	0	--	--	5
Personnel Office	0	--	--	10
Photographic Laboratory	0	--	--	20
Physical Plant Director	0	--	--	10
Placement Office	0	--	--	10
Planning & Design	0	--	--	5
Polar Ice Coring Office	120	--	--	220
Power Plant	0	--	--	5
Publications Services	0	--	--	30
Public Information Office	0	--	--	10
Purchasing	0	--	--	10
Risk Management Office	0	--	--	10
Security Office	0	--	--	10
SE Ext. & Res. Center	0	--	--	10

APPENDIX B (Cont.)

<u>Academic Unit</u>	<u>Net Assignable Sq. Ft. Per Station</u>			
	<u>Research Lab. and Service</u>	<u>Class Lab.</u>	<u>Class Lab. Service</u>	<u>Percent of Storage Space</u>
Statewide Arboretum	0	--	--	5
Student Accounts	0	--	--	10
Student Affairs	0	--	--	10
Student Counseling	0	--	--	10
Summer Sessions	0	--	--	5
Support Services Manager	0	--	--	5
Teaching & Learning Center	0	--	--	10
Tele/Radio Communications	0	--	--	5
University Honors Programs	0	--	--	10
Union	0	--	--	5
University Vending	0	--	--	5
Water Resource Center	0	--	--	5
All Other Administrative Units	0	--	--	5

APPENDIX C

CATEGORY 300 SPACE GUIDELINES FOR OFFICE FACILITIES

OFFICE GUIDELINES (Category 310)

<u>Personnel Category</u>	<u>Office Allowance Per Adjusted Headcount (NASF)</u>
Single Occupancy:	
A-Line Academic/ Administrative	
President and Chancellors	300
Vice Presidents, Deans, Vice Chancellors, and Academic Directors equivalent to Deans	240
Assistant Vice Chancellors, Chairman/Chief Administrators, Assistant and Associate Deans, and Assistant Vice Presidents	180
Directors (non-academic)	140
Faculty: Professors (Full, Associate, and Assistant), Instructors, Visiting Scholars, And Adjunct Professors	120
Administrators and Professional Staff	120
Research Associate, Research Specialist, Research Fellow, Research Assistant, Project Assistant, Scientist, Technician, Visiting Research Assistant, Post-Doctoral Fellow, Post-Doctoral Associate And Emeriti	100
B-Line Managerial/Professional	
Directors requiring offices	120
Managerial/Professionals requiring offices	100
Multiple Occupancy:	
C-Line Office/Service Staff requiring office area	50

APPENDIX C (Cont.)

<u>Personnel Category</u>	<u>Office Allowance Per Adjusted Headcount (NASF)</u>
Students: (Allowance based on actual headcount)	
Graduate Teaching, Research and Administrative Assistants	60
Student Office Assistants	30

Computer Equipment

Additional space should be allotted to office areas that require computer terminals and/or printers. The following area should be added to an employee's office allowance for computer equipment:

Computer Terminal	10 NASF each
Printer	5-15 NASF each

OFFICE SERVICE GUIDELINES (CATEGORY 315)

Service Area (files, record rooms, supply rooms, copy rooms, etc.)--

<u>Administrative Unit by Size (AHC Requiring Office Space) (1)</u>	<u>Net Assignable Square Feet of Service Space per Employee Academic/Non-academic (2)</u>
1-30	15
31+	10 NASF per each ACH over 30

Reception Area—

Administrative Unit (max. 5 waiting stations)	15 NASF per station
Major Administrative Unit (max. 10 waiting stations)	15 NASF per station

Staff Lounge Are--

Apply 5 NASF times the adjusted head count of the A-Line, B-Line, and C-Line personnel who work in the building. Faculty and staff lounges assigned to Administrative Units should be account for in the Office Service Category 315 and not in Lounge Category 650.

APPENDIX C (Cont.)

(1) AHC (Adjusted Head Count)—Employees who work ½ time or less and require office space are counted as ½; Personnel who work more than half time and require office space are counted as 1.

(2) File Space – Where the “extent of storage” required is unusually high, include additional file space by multiplying the number of file units by 11 NASF per file.

CONFERENCE ROOM GUIDELINES (Category 350 & 355)

<u>Conference Room Area (1)</u>		<u>Conference-Room Service Area (2)</u>
<u>Number Stations</u>	<u>Net Assignable Square Feet Per Station</u>	<u>Net Assignable Square Feet Per Conference Room</u>
2-14	25	35
15-19	22	35
20-29	20	35
30	18	35

For meetings requiring over 30 stations, consult Category 380 Meeting Room Facilities.

- (1) Although the maximum size conference room is 30 stations, administrative units that need more than 20 stations should consider a meeting room with stacking chairs.
- (2) If chair storage is required, additional service space should be programmed based on types of chairs to be stored.

READING/STUDY/REFERENCE ROOM (Category 410)

For standards see Category 410.

STORAGE ROOM (Category 730)

For standards see Category 730.

**UNIVERSITY OF NEBRASKA
LAND GUIDELINES**

BUILDING SITE AREA

Bldg. Footprint Area (Sq. Ft.)
43,560 sq. ft. per Acre x Density Factor = _____ Acres

Bldg. Footprint Area – The gross square footage of the first floor of a building including overhangs.

Density Factor = UNL – 3.0; UNO – 2.5; UNMC – 2.0

PARKING FACILITIES

Column 1	Column 2	Column 3			Column 4
Population Category _____	Delivery Site Headcount	<u>Allocation Rate Percentage</u>			Required Parking Spaces (Col. 2 x Col. 3)
		<u>UNL</u>	<u>UNO</u>	<u>UNMC</u>	
Students:					
Commuters		.25	.30	.45	
In residence					
Undergraduate		.60	-	-	
Graduate		.40	-	-	
Faculty and Staff		.60	.60	.60	
Outpatients		1.00	-	1.00	
Visitors/Vendors		.90	.90	.90	_____
Total Parking Spaces Required					_____

Total Parking Spaces Required x Parking Stall Size (290 Sq. Ft.) = _____ Acres
43,560 Sq. Ft. per Acre

OUTDOOR RECREATION FACILITIES

Column 1	Column 2			Column 3	Column 4	Column 5	Column 6	
<u>Type of Activity</u>	Allocation			Deliv. Site	Number of	Acreage	Acreage	
	Rate per			Stud. HC	Units Required	per	Requirement	
	<u>1,000 Students</u>			<u>(in thous.)</u>	<u>(Col. 2 x Col. 3)</u>	<u>Unit</u>	<u>(Column. 4 x Col. 5)</u>	
	<u>UNL</u>	<u>UNO</u>	<u>UNMC</u>					
Football/Soccer	.34	.13	.50			2.25		
Softball	.34	.13	1.00			1.32		
Tennis	1.00	1.33	2.00			.20		
Basketball	.34	.13	1.00			.18		
Playground	.08	-	.50			.50		
Horseshoes	.34	-	-			.02		
Golf: Putting	.12	-	-			.15	_____	
Total Outdoor Recreation Acreage Requirement							_____	

INTERCOLLEGIATE ATHLETIC FACILITIES

Column 1	Column 2	Column 3		Column 4
<u>Type of Activity</u>	Acreage per <u>Unit</u>	Number of Units		Acreage Requirement <u>(Col. 2 x Col. 3)</u>
		<u>Per Campus</u>		
		<u>UNL</u>	<u>UNO</u>	
Football: Practice	1.84	1	1	
Playing Area	1.84	1	1	
Spectator Seating	4 a	72,000 b	9,460 b	
Baseball: Playing Area	3.67	1	1	
Spectator Seating	4 a	1,338 b	655 b	
Track: Playing Area	4.00	1	1	
Spectator Seating	4 a	4,000 b	-	
Softball: Playing Area	1.32	1	1	
Spectator Seating	4 a	220 b	-	_____
Total Intercollegiate Athletic Acreage Requirement				_____

a Square Feet

b Stadium Seating Capacity

CIRCULATION AREA (Includes streets, walkways, malls, etc.)

Column 1	Column 2	Column 3			Column 4
	Acreage Requirement <u>per Category</u>	Circulation Factors			Circ. Acreage Requirement <u>(Col. 2 x Col. 3)</u>
		<u>UNL</u>	<u>UNO</u>	<u>UNMC</u>	
Building Site		.23	.18	.18	
Parking		.23	.18	.18	
Outdoor Recreation		.23	.18	.18	
Intercollegiate Athletics		.23	.18	.18	_____
Total Circulation Acreage Requirement					_____