

# *Society for College and University Planning*



## **CAMPUS FACILITIES INVENTORY (CFI)**

### *2004 CFI Executive Summary*

Until 2003, almost thirty years had elapsed since a public or private agency had taken responsibility for the comprehensive collection of data reflecting the size and growth patterns of college and university facilities. This report summarizes the second annual Society for College and University Planning (SCUP) Campus Facilities Inventory (CFI). SCUP has undertaken this project in order to respond to a critical need for postsecondary facilities data within the higher education community.

## Campus Facilities Inventory (CFI)

The CFI is an annual survey, and is comprised of a common space data set, using standardized and familiar room use classifications. Planning and facilities professionals can use the CFI data to determine the status of their institution relative to others, and can gauge which institutions may experience common issues or problems based on enrollment, room use, or institution type. Only participating institutional staff receive full datasets for manipulation. Others may purchase the complete 2004 Campus Facilities Inventory

Report, which provides numerous comparative charts and tables in various institutional categories, but provides data in aggregate only—individual institutions are not identified.

SCUP's CFI provides benefits to higher education. As an increasing number of colleges and universities participate in the CFI, the data collected will substantiate and more accurately predict trends in construction that could produce long-term savings to institutions, while providing better service to students and other constituents.

### Highlights

There were 189 participating institutions in SCUP's 2004 Campus Facilities Inventory. Some of the results of the survey, based on this sample, are highlighted below.

- Over 27 percent of institutions with SCUP members participated in the 2004 CFI.
- The largest number of participants in the 2004 CFI fall within the enrollment range of 10,000 to 24,999 students.
- Private four-year-and-above institutions were underrepresented in the 2004 CFI.
- In addition to the 189 participants, eight institutions submitted either incomplete data, duplicate data, or data that was not suitable for analysis.
- All five of the major Carnegie Foundation classifications were represented in the 2004 CFI. The largest number of respondents was in the Doctoral/Research University category.
- A total of 461,140,280 NASF (net assignable square feet) of space was surveyed in the 2004 CFI.
- As expected, the mean amount of space per institution in the 2004 CFI was greater in the larger enrollment categories.
- The mean NASF per student in each of the nine survey room use categories was greatest at private four-year-and-above institutions.
- Some analyses separated institutions whose enrollment was predominantly in graduate and professional programs. It was found that the space use characteristics of these schools differed significantly from those schools comprised predominantly of undergraduates.
- After excluding institutions whose enrollments are predominantly in graduate and professional programs, the mean amount of space per student at private institutions was greatest in all enrollment categories.
- The mean total campus space per student was greatest for both public and private four-year-and-above institutions with fewer than 2,500 students. The number decreased and then increased as enrollment category size increased. The greater amount of space at larger institutions was due to the presence of more research and office space. Space per student at two-year colleges was greatest at those with fewer than 2,500 students, and then the NASF per student steadily decreased in the larger enrollment categories.
- In general, the amount of space per faculty member was within a consistent range for all institutions in the survey, except for two-year colleges with 25,000 students or more, which had significantly less space per faculty member.
- The amount of classroom space per student was greatest for institutions with fewer than 2,500

students. There was more classroom space per student at private schools, in each enrollment category, than at public four-year-and-above and two-year schools.

- The amount of teaching lab and studio space per student was greatest at institutions with fewer than 2,500 students.
- The amount of research lab space was greatest at private institutions with enrollments between 10,000 and 24,000, excluding schools whose enrollments are predominantly in graduate and professional programs. If those latter schools were included, the most space per student would be at both public and private institutions with fewer than 2,500 students.
- Library space per student was most at four-year-and-above private institutions in the 2,500-and-under and the 10,000-to-24,999 enrollment groups excluding schools whose enrollments are predominantly in graduate and professional programs; and in public institutions under 2,500, when all respondents were included.
- The greatest amount of athletic space per student was at private four-year-and-above institutions.

## About the SCUP Campus Facilities Inventory Survey

In 2003, the Society for College and University Planning (SCUP) initiated a survey of facilities at higher education institutions. SCUP undertook this project in order to respond to an unmet need for postsecondary facility data. Prior to 2003, the most recent comprehensive data survey that included space data was the Higher Education General Information Survey (HEGIS) conducted in 1974. When the federal government replaced HEGIS with the Integrated Postsecondary Educational Data System (IPEDS), it eliminated facilities from its data collection process. IPEDS continued to survey institutions, but only for such characteristics as enrollment, finances, and faculty profiles.

In 1974, there were 3,038 public and private colleges and universities in the United States. Today there are over 4,000, an increase of more than 30 percent. Colleges and universities had a combined total of 1.3 billion net assignable square feet (NASF) in 1974. The current amount is unknown, but estimated at over 6.0 billion NASF.

Enrollments have increased even more dramatically—from 10,200,000 in 1974 to 15,900,000 in 2001. The National Center for Educational Statistics (NCES) projects a continued rise in enrollments in all categories of institutions. Both figures are from the Digest of Education Statistics 2003, p 222. The 2001 figure is for degree-granting institutions; the 1974 figure is for “Institutions of Higher Education.” There is no exact definition match for these two years.

The SCUP Campus Facilities Inventory (CFI) is an ongoing effort to provide facilities data to complement

IPEDS and close the gap left by federal data collection decisions. A total of 100 institutions participated in the 2003 survey. The 2004 CFI saw the number of respondents that were analyzed nearly double to 189. As participation in the CFI increases, the variety of comparison campuses will likely increase and the database will become more valuable. SCUP was successful this year in adding data from Carnegie classes that were underrepresented in 2003. The goal for 2005 is to double the number of participants.

In this survey, institutions were asked to report on the quantities of space in each room use category, such as classroom, teaching laboratory, and residential, which existed on their campuses at that time. The NCES 1992 publication, the *Postsecondary Education Facilities Inventory and Classification Manual (FICM)*, was used as the source of room use definitions in the CFI. FICM is generally accepted as the standard resource for facility description purposes, as most institutions of higher learning have adopted it as the basis for their space inventories.

Institutions that contribute to the CFI receive an Excel file containing data from all participating campuses. Only participating institutions may receive this data. SCUP considers facilities data to be valid for two years, so institutions need only submit every other year. SCUP encourages all higher education institutions to provide data. The CFI website, [www.scup.org/knowledge/cfi/](http://www.scup.org/knowledge/cfi/), is available for data input annually from February to April, so that additional institutions may join this effort.

# 2004 and 2005 SCUP CAMPUS FACILITIES INVENTORY (CFI)

In 2004, SCUP's comprehensive data survey, the Campus Facilities Inventory (CFI) had 189 participating institutions. Numbers of participants in all Carnegie categories increased significantly. Additional categories were included to allow finer comparisons in facility types.

Uniform definitions were used for facility types and data was associated with institutional information in the Integrated Postsecondary Educational Data Systems (IPEDS) classifications to ensure comparability and ease of interpretation.

The CFI provides . . .

- Data by Carnegie classification for different space functions/usages
- Comparisons among institutional types of campus physical facilities
- Comparisons by enrollment, size, and public/private status
- IPEDS data on student enrollment, number of faculty, etc.
- Opportunity to network with like-institutions for benchmarking purposes

This executive summary is provided at no cost to SCUP members. Postsecondary institutions that participated in the survey received access to the raw data for direct benchmarking with their peers. The complete report for 2004 is available for purchase, visit [www.scup.org/knowledge/cfi/](http://www.scup.org/knowledge/cfi/) for information.

**Return the information below to the SCUP office by fax at 734.998.6532, visit [www.scup.org/knowledge/cfi/](http://www.scup.org/knowledge/cfi/) or contact [cfi@scup.org](mailto:cfi@scup.org) for more information**

- Yes, I'm interested in participating in the 2005 institutional survey—allows access to raw data from all participating colleges and universities. (please print)

SCUP ID NUMBER	FIRST NAME	M.I.	LAST NAME
JOB TITLE	ORGANIZATION		
DEPARTMENT			
ADDRESS (NOT A PO BOX)			
CITY	STATE/PROVINCE	ZIP/POSTAL CODE	COUNTRY
COUNTRY CODE	PHONE	FAX	
E-MAIL			

- Yes, I'd like to purchase a copy of the complete 2004 report. Please visit [www.scup.org/knowledge/cfi/](http://www.scup.org/knowledge/cfi/) (\$125 for SCUP members; \$250 for nonmembers plus shipping and handling)

Prices subject to change without notice Updated 3/7/05

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