

INSTRUCTIONAL OUTPUT  
AND FACULTY SALARY COSTS  
OF THE STATE-RELATED  
AND STATE-OWNED UNIVERSITIES

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Analysis of 1995-96 Data  
Reported Under 1995 Appropriations Acts  
and Public School Code

Staff Report  
General Assembly of the Commonwealth of Pennsylvania  
JOINT STATE GOVERNMENT COMMISSION  
108 Finance Building  
Harrisburg, Pennsylvania 17120  
February 1997

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The cover displays the reverse of the State Seal of the Commonwealth of Pennsylvania. The reverse of this seal shows a woman, who represents liberty. Her left hand holds a wand topped by a liberty cap, a French symbol of liberty. In her right hand is drawn sword. She is trampling upon Tyranny, represented by a lion. The entire design is encircled by the legend "Both Can't Survive."

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The release of this report should not be construed as an indication that the members of the Executive Committee of the Joint State Government Commission endorse all of the report's findings, recommendations or conclusions.

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The Joint State Government Commission was created by act of July 1, 1937 (P.L.2460, No.459) as amended, as a continuing agency for the development of facts and recommendations on all phases of government for the use of the General Assembly.

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STATE-RELATED AND STATE-OWNED UNIVERSITIES  
AND BRANCH CAMPUSES  
(WITH COUNTIES)

State-Related Universities

Lincoln (Chester)	Penn State (cont.)
Penn State (Centre)	Pennsylvania College of Technology (Lycoming)*
Allentown Campus (Lehigh)	Schuylkill Campus (Schuylkill)
Altoona Campus (Blair)	Shenango Valley Campus (Mercer)
Beaver Campus (Beaver)	Wilkes-Barre Campus (Luzerne)
Behrend College (Erie)	Worthington Scranton Campus (Lackawanna)
Berks Campus (Berks)	York Campus (York)
Capitol Campus (Dauphin)	Pittsburgh (Allegheny)
Delaware County Campus (Delaware)	Bradford Campus (McKean)
DuBois Campus (Clearfield)	Greensburg Campus (Westmoreland)
Fayette Campus (Fayette)	Johnstown Campus (Cambria)
Great Valley Graduate Center (Chester)	Titusville Campus (Crawford)
Hazleton Campus (Luzerne)	Temple (Philadelphia)
Hershey Medical Center (Dauphin)	Ambler Campus (Montgomery)
McKeesport Campus (Allegheny)	Harrisburg Center (Dauphin)
Mont Alto (Franklin)	
New Kensington (Westmoreland)	
Ogontz Campus (Montgomery)	

\*Not included in this report.

State-Owned Universities

Bloomsburg (Columbia)	Kutztown (Berks)
California (Washington)	Lock Haven (Clinton)
Cheyney (Delaware)	Clearfield Campus (Clearfield)
Clarion (Clarion)	Mansfield (Tioga)
Venango Campus (Venango)	Millersville (Lancaster)
East Stroudsburg (Monroe)	Shippensburg (Cumberland)
Edinboro (Erie)	Slippery Rock (Butler)
Indiana (Indiana)	West Chester (Chester)
Armstrong Campus (Armstrong)	
Punxsutawney Campus (Jefferson)	

## FOREWORD

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This 24th annual report summarizes the instructional outputs, instructional faculty salary costs, tuitions and Commonwealth instructional appropriations for Pennsylvania's State-related and State-owned universities--the Commonwealth's public universities.

The report is based primarily on data reported by Pennsylvania's public universities to the Pennsylvania General Assembly, as required by the annual appropriation acts for the State-related universities, and by the Public School Code for the State-owned universities. These data include student credit hours and degrees, and faculty salaries and workweek activities. The report includes instructional outputs and instructional faculty salaries, but does not include noninstructional faculty salaries. Therefore, *average faculty salaries in the report cannot be compared to average faculty salaries from other sources*. In addition, since the data do not include nonsalary expenditures, the report does not summarize total instructional costs for the universities. Data on tuitions, Commonwealth instructional appropriations, and student aid from other sources supplement the university data.

Levels of data for 1995-96 and data trends for 1990-91 to 1995-96 are presented. Readers are cautioned to use the current historical tables for prior years' data, as some data have been revised in these tables. Student credit-hour and salary data are combined for the computation of a measure of cost efficiency: instructional faculty salary cost per full-time equivalent student. Tuition and instructional appropriation data are combined for the computation of a measure of cost sharing: the percentage of total instructional revenues covered by instructional appropriations.

This report is intended for use by a variety of persons or groups: by legislators for making appropriation decisions; by university administrators for evaluating policies related to faculty outputs, salaries and workloads; and by Pennsylvania citizens, for making informed judgments about the levels and shares of costs related to public higher education in the Commonwealth.

For additional information or copies of this report, write to the Commission,  
telephone 717-787-4397 or fax 717-787-7020.

Conrad C. M. Arensberg  
Counsel  
Joint State Government Commission



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## I. DATA HIGHLIGHTS

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1. In Fall 1995, a total of 571,355 full- and part-time students were enrolled in the 144 public and private colleges and universities in Pennsylvania. Of this total, 229,003 students (40 percent) were enrolled in the Commonwealth's public universities: 134,633 students (23.5 percent) in the 4 State-related universities, and 94,370 (16.5 percent) in the 14 State-owned universities. The main and branch campuses of Pennsylvania's public universities are listed on page iii. Compared to Fall 1994, overall student enrollments in all of Pennsylvania's colleges and universities remained about the same, but in the Commonwealth's public universities increased by about 1 percent.<sup>1</sup>
2. During the 1995-96 school year,<sup>2</sup> over 5.9 million undergraduate and graduate student credit hours (SCH) were generated by the public universities. These SCH were the equivalent of 203,518 full-time students: 117,647 full-time equivalent (FTE) students (58 percent) for the State-related universities, and 85,871 (42 percent) for the State-owned universities.<sup>3</sup> (Table 1) FTE students at the State-related universities increased by almost 2 percent, and at the State-owned universities decreased by about 1 percent, from the previous year. FTE students vary considerably by academic level at the individual

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<sup>1</sup>Pennsylvania Department of Education, *Colleges and Universities Fall Enrollments, 1995*.

<sup>2</sup>Unless otherwise noted, all data in this report apply to the indicated school year, which includes the summer term preceding the academic year, plus the fall and spring terms of the academic year. For example, the 1995-96 school year includes the summer and fall terms of 1995 plus the spring term of 1996.

<sup>3</sup>Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

universities. For Pittsburgh<sup>4</sup> and Temple, about three-quarters of the FTE students are undergraduates; both universities have first professional programs in dentistry and law. In contrast, the proportion of undergraduate FTE students is 85 percent for Lincoln, 90 percent for Penn State and 91 percent for the State-owned group.<sup>5</sup> (Table 2) Likewise, the public universities offer diverse programs to students. Most of these universities continue to have large programs in education, in addition to letters and the social sciences. The State-owned universities each have specialized program missions. (Tables 3A through 3E)<sup>6</sup>

3. During the 1995-96 school year, the public universities conferred 40,954 bachelor's and graduate degrees (not including medical degrees): 23,440 degrees (57 percent) by the State-related universities, and 17,514 (43 percent) by the State-owned universities. Total degrees for the State-related universities decreased about 4 percent, and for the State-owned universities by almost 2 percent, from the preceding year.<sup>7</sup> (Table 4)
  
4. Over the past five years (since 1990-91), Pennsylvania's population of 18- to 24-year-olds decreased by 13 percent, while FTE enrollments in public universities in the Commonwealth decreased by only 4 percent. The increase in FTE students in the public universities, relative to the population of traditional college-age residents, would appear to be attributable to a larger percentage of traditional students

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<sup>4</sup>Beginning in 1990-91 the University of Pittsburgh implemented a new Integrated Student Information System. As a result it was discovered that student credit hours (FTE students) in the law program were inadvertently over reported in previous years. Consideration must be given to this structural change in evaluating certain data changes for prior years.

<sup>5</sup>In 1993-94, Indiana University reported separate data for the doctor's level (previously data for this level were combined with Indiana's master's level). Comparisons with previous years must take this change into account.

<sup>6</sup>Tables 3A through 3E employ the Classification of Instructional Programs (CIP) taxonomy. The CIP taxonomy was introduced by the U.S. Department of Education's National Center for Education Statistics in 1981, and revised in 1985 and 1990. This report utilizes an aggregation of two-digit CIP, each of which corresponds to one or more academic departments or program areas within individual universities. The CIP groupings are used to facilitate comparisons between universities, given the large array of departments and programs which exist in the Commonwealth's public universities.

<sup>7</sup>The public universities also award associate degrees. However, associate degrees are not included in this report.

attending the public universities, plus an increase in the enrollment of nontraditional students.

5. In Fall 1995, 10,617 teaching and research faculty were *employed full-time* by Pennsylvania's public universities: 5,890 full-time faculty (55 percent) by the State-related universities and 4,727 (45 percent) by the State-owned universities.<sup>8</sup> The overall workweek reported by these faculty averaged 54.2 hours: 53.0 total hours for the State-related universities, and 55.8 total hours for the State-owned universities. Hours spent in undergraduate and graduate classroom and individual instruction contact with students averaged 8.8 per week for the State-related group, and 11.8 per week for the State-owned group. (Table 5) Since 1990-91, average total workweek hours for the State-related universities have increased by 2.1 percent and average student contact hours by 6.0 percent; over the same years, the average hours at the State-owned universities have increased by 1.3 percent and 0.9 percent, respectively.
  
6. During the 1995-96 school year, the *full- and part-time instructional faculty employed* by the public universities were the equivalent of 11,835 full-time faculty: 6,938 FTE instructional faculty (59 percent) for the State-related universities, and 4,897 (41 percent) for the State-owned universities.<sup>9</sup> The combined FTE instructional faculty increased by less than 1 percent from the previous year. The instructional salary for these faculty averaged \$44,600 and \$53,300 for the two public university groups, respectively.<sup>10</sup> The combined average instructional

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<sup>8</sup>Faculty who are employed full-time by the public universities, and who are engaged in teaching, research or both, comprise the set of faculty whose workweek activities are reported by the universities, and summarized in table 5. Note that this is *not* the same set of faculty whose headcounts and instructional salaries are included in table 6.

<sup>9</sup>Full-time instructional faculty, plus the full-time equivalency of part-time instructional faculty, comprise the set of faculty whose instructional salaries are reported by the universities and summarized in table 6. Note that this is *not* the same set of faculty whose workweek activities are included in table 5.

<sup>10</sup>This report does not include the noninstructional salaries of instructional faculty members. Therefore, *average faculty salaries cannot be compared to other sources.*

salary increased by 3 percent from the previous year.<sup>11</sup> The State-owned universities tend to utilize relatively more higher-ranked FTE faculty--professors and associate professors--in instruction than do the larger State-related universities. In contrast, Penn State, Pittsburgh and Temple provide a significant amount of instruction using instructors and nonranked faculty (largely graduate teaching assistants); the lower instructional salaries of the nonranked faculty tend to lower the average instructional salary for the State-related group relative to the State-owned group. (Table 6)

7. Since 1990-91, the average instructional salary for the FTE instructional faculty has increased by about \$8,200 (23 percent) for the State-related universities, and about \$13,100 (33 percent) for the State-owned universities. The relative increase in average instructional salary for the State-owned group has tended to widen the gap in average instructional salaries between the two groups of FTE faculty.
8. During the 1995-96 school year, the ratio of FTE students to FTE instructional faculty averaged 17.0 for the State-related universities (a one-year increase of 1 percent), and 17.5 for the State-owned universities (a one-year decrease of 1 percent). (Tables 1 and 6)
9. During the 1995-96 school year, the average instructional faculty salary costs per FTE student for the State-related group were: undergraduate level, \$1,990, and master's level, \$4,336. For the State-owned group the FTE instructional salary costs for these levels were \$2,943 and \$3,974, respectively. (Table 7) First professional FTE instructional salary costs averaged \$2,157 for Pittsburgh and \$3,759 for Temple; doctoral FTE instructional salary costs averaged \$11,798 for Penn State, \$12,444 for Pittsburgh, \$8,081 for Temple and \$7,310 for Indiana. Statistical analysis has shown that FTE instructional salary cost varies directly with FTE instructional faculty salaries, and inversely with both class (section) average sizes and the

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<sup>11</sup>*Caveat:* Average instructional salaries are computed by dividing each university's total instructional salaries for each academic rank by the respective number of FTE instructional faculty. Therefore, changes in average instructional salaries do *not* necessarily correspond to general salary changes for all faculty members in a given university. Average instructional salary changes also reflect changes in the rank distribution of faculty.

number of classes (sections) offered per course. Since 1990-91, undergraduate FTE instructional salary costs have increased by 30 percent for the State-related group, and by 41 percent for the State-owned group. FTE instructional salary costs also vary considerably by program area. (Table 8A through 8E)

10. Regression analysis applied to 1995-96 lower and upper division undergraduate FTE instructional salary cost, class size and instructional faculty salary data for the public universities indicates that the total cost savings to be expected from *decreasing* average FTE instructional faculty salaries by \$1,000 at these universities would be almost \$10 million, and from *increasing* average class (section) sizes by one student would be about \$18 million.<sup>12</sup>
11. The average undergraduate class (section) size is 18 for Lincoln, 29 for Penn State, 27 for Pittsburgh, 25 for Temple, and 22 for the State-owned universities. Since 1990-91, average undergraduate class sizes have declined by about 4 percent for both the State-related and the State-owned universities. (Table 9)
12. During the 1995-96 school year, the tuition and required fees for full-time in-State undergraduate students averaged \$5,091 for the State-related universities, and \$3,945 for the State-owned universities. These tuition and fees increased by 5 percent for both groups from the previous year. Lincoln's tuition and fees for nonresident full-time undergraduates exceeded those for residents by 55 percent, and for full-time graduate students by 61 percent. Penn State's tuition and fees for nonresident full-time undergraduates were 115 percent higher, and those for graduate students 105 percent higher than the tuition and fees for residents. Pittsburgh's nonresident tuition and fees were approximately double those for residents for both levels. For Temple, the out-of-state premium was almost 87 percent for full-time undergraduates and 41 percent for full-time graduate students. For the

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<sup>12</sup>The details of the regressions used to derive these results are not included in this report. These details are available from the staff of the Joint State Government Commission. The model for the regression equation is given in the Appendix.

State-owned group, tuition and fees for nonresident undergraduates exceeded those for residents by 126 percent; nonresident graduate students paid 67 percent more than Pennsylvania residents. (Table 10)

13. For fiscal year 1995-96, the public universities collected almost 1.2 billion dollars in tuition and fee revenues. These revenues per FTE student averaged \$5,810 for Lincoln, \$6,640 for Penn State, \$7,830 for Pittsburgh, \$6,960 for Temple, and \$4,290 for the State-owned universities. Since 1990-91, per student revenues for the State-related universities have grown by 34 percent and for the State-owned universities by 54 percent. (Table 11)
  
14. For fiscal year 1995-96, the Commonwealth's instructional appropriations to the public universities totaled \$886.2 million: \$492.5 million (56 percent) to the State-related universities and \$393.7 million (44 percent) to the State-owned universities.<sup>13 14</sup> These appropriations represent 85 percent of the total appropriations made specifically for instruction to the public universities *and community colleges*, and about 73 percent of the total appropriations made for all purposes to all public and private colleges and universities in the Commonwealth. Total instructional appropriations, including Tuition Challenge Grants, increased by 3 percent for both the State-related and the State-owned universities from the previous year. The average appropriation per FTE student was \$4,190 for the State-related group (a one-year increase of 1 percent) and \$4,580 for the State-owned group (a one-year increase of 4 percent). (Table 12) In addition to the instructional appropriations made directly to the public universities, monies appropriated from the General Fund to the Pennsylvania Higher Education Assistance Agency totaling almost \$98 million went to students at the public universities through various PHEAA grant and matching-fund programs.<sup>15</sup>

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<sup>13</sup>The Commonwealth instructional appropriation to the State System of Higher Education does *not* include amounts allocated to the Office of the Chancellor, McKeever Center, Faculty Professional Development, University Center and System Reserve.

<sup>14</sup>In this report, total educational and general appropriations and Tuition Challenge Grants are regarded as "instructional" and used for comparisons. Over the years, educational and general appropriations have been expanded to include expenditure categories which previously had been separate line items in the General Fund Budget.

<sup>15</sup>Data provided by the Pennsylvania Higher Education Assistance Agency.



15. For 1995-96 total instructional revenues per FTE student--tuition and fees plus instructional appropriations--averaged \$11,160 for the State-related universities and \$8,870 for the State-owned universities. (Table 13) Per student instructional revenues for the State-related universities were more than those for the State-owned universities, even though per student instructional faculty salary costs for the State-related group were less than those for the State-owned group. (Table 7) These results are apparently related to the State-related group's greater emphasis on departmental research and their use of graduate teaching assistants and other nonranked faculty to generate significant numbers of student credit hours. The analysis of *total* instructional costs is beyond the scope of this report.
  
16. During the 1995-96 school year, on an FTE student basis, the ratio of Commonwealth instructional appropriations to tuition and fee revenues *plus* Commonwealth instructional appropriations averaged 38 percent for the State-related university group, and 52 percent for the State-owned university group. (Table 13) Since 1990-91, on an FTE student basis, average tuition and fee revenues collected by the public universities have increased, on a percentage basis, more than twice as much as the average direct FTE student appropriation from the Commonwealth to these institutions. Hence, the percentage of total instructional revenues from Commonwealth appropriations has *decreased*, causing the student share of instructional cost to *increase* for all of the public universities.



## **II. CURRENT YEAR DATA**

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Table 1

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL<sup>1</sup>  
 1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Total				Undergraduate				Graduate <sup>2</sup>			
	FTE students	One-year change	Percentage change		FTE students	One-year change	Percentage change		FTE students	One-year change	Percentage change	
			One-year	Five-year			One-year	Five-year			One-year	Five-year
			change	average			change	average			change	average
State-related												
Lincoln	1,546	130	9%	1%	1,317	100	8%	1%	229	30	15%	a
Penn State	64,137	3,055	5	a	57,601	2,876	5	a	6,536	179	3	a
Pittsburgh	27,565	-725	-3	-1	20,040	-438	-2	-2	7,525	-287	-4	a
Temple	24,399	-679	-3	-1	17,711	-376	-2	-1	6,688	-303	-4	2%
Total	117,647	1,781	2	a	96,669	2,162	2	-1	20,978	-381	-2	1
State-owned												
Bloomsburg	7,026	-14	a	-1	6,582	-46	-1	-1	444	32	8	a
California	5,547	-186	-3	-2	4,690	-292	-6	-3	857	106	14	10
Cheyney	1,303	25	2	-2	1,099	15	1	-2	204	10	5	-3
Clarion	5,534	125	2	-2	5,234	101	2	-2	300	24	9	-6
East Stroudsburg	5,263	-54	-1	a	4,597	-58	-1	-1	666	4	1	1
Edinboro	6,840	-131	-2	-2	6,393	-163	-2	-2	447	32	8	1
Indiana	12,152	-689	-5	-3	11,104	-691	-6	-3	1,048	2	a	1
Kutztown	6,758	-151	-2	-1	6,326	-159	-2	-1	432	8	2	1
Lock Haven	3,243	-188	-5	-1	3,236	-177	-5	-2	7	-11	-61	b
Mansfield	2,810	-83	-3	-2	2,658	-86	-3	-2	152	3	2	-3
Millersville	6,920	209	3	a	6,100	143	2	a	820	66	9	-1
Shippensburg	5,989	39	1	a	5,459	10	a	a	530	29	6	2
Slippery Rock	6,908	-97	-1	-1	6,317	-65	-1	-2	591	-32	-5	a
West Chester	9,578	76	1	-1	8,653	88	1	-1	925	-12	-1	-3
Total	85,871	-1,119	-1	-1	78,448	-1,380	-2	-2	7,423	261	4	a
All universities	203,518	662	a	-1	175,117	782	a	-1	28,401	-120	a	1

1. Data for each year represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. In addition to master's level, graduate for Penn State, Pittsburgh, Temple and Indiana includes first-professional (excluding medical schools) and/or doctor's levels.

a. Rounds to less than 1 percent.

b. The graduate level was not included prior to 1992-93.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Table 2

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC DIVISION AND LEVEL<sup>1</sup>  
1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Lower division			Upper division			Master's			First professional <sup>2</sup> and doctor's		
	FTE students	Percentage change		FTE students	Percentage change		FTE students	Percentage change		FTE students	Percentage change	
		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average
State-related												
Lincoln	990	12%	1%	327	-2%	3%	229	15%	a	na	na	na
Penn State	37,706	9	1	19,895	-1	-1	3,758	7	2%	2,778	-2%	-2%
Pittsburgh	13,276	-2	-2	6,764	-3	-1	5,015	-6	a	2,510	1	a
Temple	8,364	-4	-2	9,347	-1	-1	3,592	-4	3	3,096	-4	1
Total	60,336	4	a	36,333	-1	-1	12,594	-2	2	8,384	-2	a
State-owned												
Bloomsburg	4,560	1	-1	2,022	-3	a	444	8	a	na	na	na
California	3,336	-3	-2	1,354	-13	-6	857	14	10	na	na	na
Cheyney	803	4	-2	296	-6	-3	204	5	-3	na	na	na
Clarion	3,690	3	-2	1,544	1	-2	300	9	-6	na	na	na
East Stroudsburg	3,368	3	-1	1,229	-11	a	666	1	1	na	na	na
Edinboro	4,285	-5	-3	2,108	2	1	447	8	1	na	na	na
Indiana	7,557	-5	-3	3,547	-8	-2	819	-2	-4	229	8	b
Kutztown	4,157	-3	-1	2,169	-2	-1	432	2	1	na	na	na
Lock Haven	2,234	-6	-2	1,002	-4	a	7	-61	c	na	na	na
Mansfield	1,615	-5	-4	1,043	a	6	152	2	-3	na	na	na
Millersville	3,863	1	-2	2,237	4	5	820	9	-1	na	na	na
Shippensburg	3,942	1	a	1,517	-2	a	530	6	2	na	na	na
Slippery Rock	4,441	-2	-2	1,876	a	1	591	-5	a	na	na	na
West Chester	5,630	2	-2	3,023	-1	a	925	-1	-3	na	na	na
Total	53,481	-1	-2	24,967	-3	a	7,194	4	-1	229	8	b
All universities	113,817	2	-1	61,300	-2	-1	19,788	a	1	8,613	-2	a

1. Data for each year represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Excludes medical school data.

a. Rounds to less than 1 percent.

b. The doctor's level was included in master's level prior to 1993-94.

c. The master's level was not included prior to 1992-93.

na. Not applicable.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Table 3A

LINCOLN UNIVERSITY  
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS<sup>1</sup>  
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
1995-96

CIP Classification	Total	Percentage of total	Undergraduate				Graduate <sup>3</sup>	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	--	--	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--	--	--
Area and ethnic studies	--	--	--	--	--	--	--	--
Business	88	6%	26	3%	62	19%	--	--
Communications	--	--	--	--	--	--	--	--
Computer and information sciences	34	2	29	3	5	2	--	--
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	298	19	223	23	66	20	9	4%
Engineering	--	--	--	--	--	--	--	--
Foreign languages	75	5	62	6	13	4	--	--
Health	--	--	--	--	--	--	--	--
Home economics	--	--	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--	--	--
Law	--	--	--	--	--	--	--	--
Letters	182	12	164	17	18	6	--	--
Liberal/general studies	--	--	--	--	--	--	--	--
Library and archival sciences	--	--	--	--	--	--	--	--
Life sciences	95	6	81	8	14	4	--	--
Mathematics	109	7	104	11	5	2	--	--
Military sciences	--	--	--	--	--	--	--	--
Multi/interdisciplinary studies	5	a	3	a	2	1	--	--
Parks and recreation	--	--	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	56	4	49	5	7	2	--	--
Physical sciences	102	7	80	8	22	7	--	--
Psychology 67	4	42	4	25	8	--	--	--
Public affairs and protective services	214	14	--	--	--	--	214	93
Social sciences	221	14	127	13	88	27	6	3
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	--	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total <sup>4</sup>	1,546	100	990	100	327	100	229	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Graduate includes master's level only.

4. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by Lincoln University, 1996.

Table 3B  
 PENNSYLVANIA STATE UNIVERSITY  
 NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS<sup>1</sup>  
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
 1995-96

CIP Classification	Total	Percentage of total	Undergraduate				Graduate <sup>3</sup>	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	1,169	2%	198	1%	826	4%	145	2%
Architecture and environmental design	526	1	219	1	291	1	16	a
Area and ethnic studies	707	1	529	1	164	1	14	a
Business	6,379	10	2,110	6	3,344	17	925	14
Communications	965	2	438	1	495	2	32	a
Computer and information sciences	1,623	3	1,142	3	324	2	157	2
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	4,455	7	1,353	4	1,392	7	1,710	26
Engineering	5,092	8	1,181	3	2,855	14	1,056	16
Foreign languages	2,287	4	1,765	5	405	2	117	2
Health	1,405	2	369	1	864	4	172	3
Home economics	1,746	3	875	2	767	4	104	2
Industrial arts	--	--	--	--	--	--	--	--
Law	--	--	--	--	--	--	--	--
Letters	6,081	9	4,309	11	1,482	7	290	4
Liberal/general studies	140	a	59	a	72	a	9	a
Library and archival sciences	20	a	13	a	7	a	--	--
Life sciences	3,503	5	2,527	7	756	4	220	3
Mathematics	5,975	9	5,286	14	527	3	162	2
Military sciences	95	a	54	a	41	a	--	--
Multi/interdisciplinary studies	2,010	3	1,007	3	890	4	113	2
Parks and recreation	317	a	75	a	215	1	27	a
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	1,171	2	967	3	159	1	45	1
Physical sciences	5,292	8	3,920	10	858	4	514	8
Psychology 2,224	3	1,354	4	686	3	184	3	
Public affairs and protective services	785	1	174	a	521	3	90	1
Social sciences	6,553	10	4,901	13	1,320	7	332	5
Trade and industrial	294	a	292	1	2	a	--	--
Visual and performing arts	3,322	5	2,591	7	630	3	101	2
Other	--	--	--	--	--	--	--	--
Total <sup>4</sup>	64,137	100	37,706	100	19,895	100	6,536	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Graduate includes master's and/or doctor's levels, and excludes medical school data.

4. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by Pennsylvania State University, 1996.



Table 3C

UNIVERSITY OF PITTSBURGH  
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS<sup>1</sup>  
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
1995-96

CIP Classification	Total	Percentage of total	Undergraduate				Graduate <sup>3</sup>	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	--	--	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--	--	--
Area and ethnic studies	133	a	85	1%	45	1%	3	a
Business	1,740	6%	199	1	623	9	918	12%
Communications	81	a	13	a	29	a	39	1
Computer and information sciences	964	3	543	4	167	2	254	3
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	1,966	7	312	2	395	6	1,259	17
Engineering	1,531	6	352	3	642	9	537	7
Foreign languages	1,446	5	994	7	339	5	113	2
Health	3,026	11	254	2	1,143	17	1,629	22
Home economics	54	a	--	--	51	1	3	a
Industrial arts	--	--	--	--	--	--	--	--
Law	824	3	--	--	--	--	824	11
Letters	2,618	9	1,792	13	688	10	138	2
Liberal/general studies	--	--	--	--	--	--	--	--
Library and archival sciences	215	1	--	--	--	--	215	3
Life sciences	1,124	4	723	5	330	5	71	1
Mathematics	1,649	6	1,414	11	160	2	75	1
Military sciences	12	a	5	a	7	a	--	--
Multi/interdisciplinary studies	146	1	132	1	11	a	3	a
Parks and recreation	--	--	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	859	3	663	5	124	2	72	1
Physical sciences	2,045	7	1,696	13	119	2	230	3
Psychology 1,413	5	1,046	8	270	4	97	1	
Public affairs and protective services	1,382	5	123	1	485	7	774	10
Social sciences	3,280	12	2,095	16	970	14	215	3
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	1,062	4	835	6	168	2	59	1
Other	--	--	--	--	--	--	--	--
Total <sup>4</sup>	27,565	100	13,276	100	6,764	100	7,525	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Graduate includes master's, first-professional (excluding medical school) and/or doctor's levels.

4. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by University of Pittsburgh, 1996

Table 3D

TEMPLE UNIVERSITY  
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS<sup>1</sup>  
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
1995-96

CIP Classification	Total	Percentage of total	Undergraduate				Graduate <sup>3</sup>	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	76	a	35	a	41	a	--	--
Architecture and environmental design	240	1%	71	1%	168	2%	1a	
Area and ethnic studies	365	1	165	2	127	1	73	1%
Business	2,279	9	516	6	1,114	12	649	10
Communications	480	2	154	2	241	3	85	1
Computer and information sciences	390	2	108	1	178	2	104	2
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	2,218	9	499	6	992	11	727	11
Engineering	505	2	116	1	337	4	52	1
Foreign languages	765	3	382	5	336	4	47	1
Health	2,487	10	71	1	899	10	1,517	23
Home economics	--	--	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--	--	--
Law	1,653	7	152	2	139	1	1,362	20
Letters	1,663	7	1,089	13	509	5	65	1
Liberal/general studies	313	1	209	2	100	1	4	a
Library and archival sciences	--	--	--	--	--	--	--	--
Life sciences	576	2	259	3	267	3	50	1
Mathematics	1,431	6	923	11	408	4	100	1
Military sciences	8	a	4	a	4	a	--	--
Multi/interdisciplinary studies	--	--	--	--	--	--	--	--
Parks and recreation	217	1	36	a	123	1	58	1
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	482	2	227	3	187	2	68	1
Physical sciences	1,159	5	625	7	450	5	84	1
Psychology 1,432	6	392	5	467	5	573	9	
Public affairs and protective services	1,004	4	182	2	348	4	474	7
Social sciences	2,801	11	1,369	16	1,147	12	285	4
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	1,862	8	783	9	768	8	311	5
Other	--	--	--	--	--	--	--	--
Total <sup>4</sup>	24,399	100	8,364	100	9,347	100	6,688	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Graduate includes master's, first-professional (excluding medical school) and/or doctor's levels.

4. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by Temple University, 1996.

Table 3E

STATE-OWNED UNIVERSITIES  
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS<sup>1</sup>  
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
1995-96

CIP Classification	Total	Percentage of total	Undergraduate				Graduate <sup>3</sup>	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	93	a	83	a	8	a	2	a
Architecture and environmental design	15	a	--	--	8	a	7	a
Area and ethnic studies	374	a	197	a	157	1%	20a	
Business	6,860	8%	2,736	5%	3,657	15	467	6%
Communications	2,183	3	1,179	2	883	4	121	2
Computer and information sciences	1,859	2	1,427	3	315	1	117	2
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	16,059	19	5,245	10	7,082	28	3,732	50
Engineering	251	a	79	a	142	1	30	a
Foreign languages	2,243	3	1,886	4	320	1	37	a
Health	2,778	3	791	1	1,539	6	448	6
Home economics	511	1	252	a	236	1	23	a
Industrial arts	529	1	166	a	190	1	173	2
Law	114	a	60	a	45	a	9	a
Letters	8,412	10	6,693	13	1,411	6	308	4
Liberal/general studies	214	a	154	a	10	a	50	1
Library and archival sciences	179	a	31	a	24	a	124	2
Life sciences	4,145	5	3,139	6	825	3	181	2
Mathematics	5,110	6	4,503	8	488	2	119	2
Military sciences	177	a	143	a	34	a	--	--
Multi/interdisciplinary studies	288	a	179	a	81	a	28	a
Parks and recreation	451	1	195	a	222	1	34	a
Personal and social development	671	1	503	1	129	1	39	1
Philosophy, religion and theology	1,923	2	1,641	3	264	1	18	a
Physical sciences	4,809	6	4,168	8	587	2	54	1
Psychology	5,217	6	2,990	6	1,558	6	669	9
Public affairs and protective services	1,599	2	730	1	795	3	74	1
Social sciences	12,513	15	9,477	18	2,652	11	384	5
Trade and industrial	42	a	27	a	15	a	--	--
Visual and performing arts	6,100	7	4,662	9	1,286	5	152	2
Other	169	a	154	a	13	a	2	a
Total <sup>4</sup>	85,871	100	53,481	100	24,967	100	7,423	100

1. Data represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Graduate includes master's level for all universities and doctor's level for Indiana.

4. Because of rounding, CIP detail may not sum to total.

a. Rounds to less than 1 percent.

SOURCE: Data provided by the individual State-owned universities, 1996.

Table 4

DEGREES CONFERRED<sup>1</sup>  
1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Total				Bachelor's				Graduate <sup>2</sup>			
	Degrees	One-year change	One-year Percentage change	Five-year average	Degrees	One-year change	One-year Percentage change	Five-year average	Degrees	One-year change	One-year Percentage change	Five-year average
<b>State-related</b>												
Lincoln	310	12	4%	1%	240	16	7%	3%	70	-4	-5%	-5%
Penn State	11,049	-243	-2	a	8,716	-265	-3	-1	2,333	22	1	4
Pittsburgh	6,543	-450	-6	1	3,885	-135	-3	1	2,658	-315	-11	2
Temple	5,538	-230	-4	1	3,162	-137	-4	-2	2,376	-93	-4	6
Total	23,440	-911	-4	a	16,003	-521	-3	-1	7,437	-390	-5	4
<b>State-owned</b>												
Bloomsburg	1,553	10	1	2	1,323	-31	-2	1	230	41	22	4
California	1,235	102	9	2	911	46	5	a	324	56	21	12
Cheyney	222	-46	-17	1	132	-57	-30	-1	90	11	14	4
Clarion	1,039	14	1	-2	890	32	4	-1	149	-18	-11	-4
East Stroudsburg	1,068	-7	-1	2	824	-28	-3	a	244	21	9	9
Edinboro	1,312	-89	-6	3	1,131	-60	-5	3	181	-29	-14	4
Indiana	2,656	65	3	a	2,110	-6	a	-2	546	71	15	7
Kutztown	1,276	-73	-5	a	1,052	-101	-9	a	224	28	14	5
Lock Haven	584	-41	-7	2	582	-42	-7	2	2	1	100	b
Mansfield	528	-83	-14	1	467	-71	-13	2	61	-12	-16	-1
Millersville	1,380	13	1	1	1,229	14	1	1	151	-1	-1	-2
Shippensburg	1,422	-13	-1	a	1,139	25	2	1	283	-38	-12	-1
Slippery Rock	1,362	-19	-1	a	1,151	-44	-4	a	211	25	13	4
West Chester	1,877	-124	-6	a	1,492	-128	-8	a	385	4	1	2
Total	17,514	-291	-2	1	14,433	-451	-3	a	3,081	160	5	3
All universities	40,954	-1,202	-3	a	30,436	-972	-3	a	10,518	-230	-2	4

1. Data for each year represent the summer term preceding the academic year plus the academic year.

2. Graduate includes master's at all universities, first professional (excluding medical schools) at Pittsburgh and Temple, and doctor's at Penn State, Pittsburgh, Temple and Indiana.

a. Rounds to less than 1 percent.

b. The graduate level was not included prior to 1992-93.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Table 5

NUMBER AND WORKWEEKS OF FULL-TIME EMPLOYED FACULTY BY TYPE OF ACTIVITY  
FALL 1995, AND PERCENTAGE CHANGE FROM FALL 1994

University	Full-time employed faculty <sup>1</sup>	Average weekly hours <sup>2</sup>										Total work- week	Percentage change
		Student contact				Instruc- tional support <sup>3</sup>	Percentage change	Research	Percentage change	Other university service <sup>4</sup>	Percentage change		
		Under- graduate	Percentage change	Graduate	Percentage change								
State-related													
Lincoln	81	9.7	-2%	.8	-11%	21.3	7%	9.5	-10%	9.3	6%	50.6	1%
Penn State	3,000	6.6	-1	1.8	0	19.2	-1	17.2	1	7.8	0	52.6	0
Pittsburgh	1,721	4.8	9	4.2	5	13.8	1	18.3	-2	12.1	6	53.2	2
Temple	1,088	5.3	6	4.0	0	18.4	1	14.0	-2	12.0	2	53.7	1
Total	5,890	5.9	4	2.9	0	17.5	1	16.8	-1	9.9	3	53.0	1
State-owned													
Bloomsburg	366	11.1	-3	.8	-11	17.3	-1	8.5	-7	17.2	0	54.9	-2
California	286	10.2	2	1.6	0	17.7	4	7.6	3	20.3	-3	57.4	1
Cheyney	90	10.5	3	1.3	30	15.6	-14	7.5	9	17.8	-10	52.7	-6
Clarion	346	10.5	-6	.9	29	18.6	-1	8.9	1	13.3	4	52.2	0
East Stroudsburg	263	10.9	0	1.0	-9	17.7	1	8.9	2	17.0	-1	55.5	a
Edinboro	363	12.8	0	.9	12	16.9	-5	8.5	2	15.4	5	54.5	a
Indiana	715	9.8	0	1.3	-7	17.2	2	10.2	6	17.7	-6	56.2	-1
Kutztown	357	11.4	0	.7	40	16.2	-1	8.6	1	17.1	4	54.0	2
Lock Haven	202	11.8	3	.1	0	18.1	-1	6.8	-13	17.3	6	54.1	a
Mansfield	176	10.6	-5	.3	-25	21.0	a	9.6	2	19.2	4	60.7	a
Millersville	332	10.3	b	.9	b	16.4	b	9.7	b	17.1	b	54.4	b
Shippensburg	312	10.4	11	1.0	11	17.4	3	7.7	0	17.9	-1	54.4	3
Slippery Rock	378	10.4	-4	.7	0	18.6	-1	9.7	-7	17.1	-1	56.5	-2
West Chester	541	10.6	-2	1.5	0	17.8	-2	12.2	3	18.5	-1	60.6	-1
Total	4,727	10.8	-1	1.0	0	17.5	-1	9.2	1	17.3	1	55.8	0
All universities	10,617	8.0	1	2.1	0	17.5	0	13.6	0	13.0	2	54.2	1

1. The number of full-time employed faculty represents those reported by each university for the fall term; sabbatical and other on-leave faculty are not included.

2. Average calculated using the full-time employed faculty in the fall term who reported a complete workweek of 100 hours or less.

3. Includes course preparation and evaluation.

4. Includes public service, institutional support and student services.

a. Rounds to less than 1 percent.

b. Percentage changes are not applicable due to changes in definitions and procedures used to gather workweek data.

SOURCE: Data provided by the individual universities, 1995 and 1996.

Table 6

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY AND PERCENTAGE DISTRIBUTION BY RANK<sup>1</sup>  
1995-96  
(Dollars in thousands)

University	FTE instructional faculty		Average instructional salary		Professor		Associate professor		Assistant professor		Instructor		No rank <sup>2</sup>	
	Number	Percentage change 1994-95 to 1995-96	Amount	Percentage change 1994-95 to 1995-96	Average instructional salary	Percentage of faculty	Average instructional salary	Percentage of faculty	Average instructional salary	Percentage of faculty	Average instructional salary	Percentage of faculty	Average instructional salary	Percentage of faculty
State-related														
Lincoln	104	5%	\$33.7	2%	\$47.3	14%	\$40.0	20%	\$31.2	27%	\$26.9	14%	\$27.3	25%
Penn State	3,482	3	45.1	3	75.4	16	52.6	19	42.6	23	32.7	13	30.4	29
Pittsburgh	1,907	2	43.8	a	70.6	19	48.4	26	37.6	19	25.1	13	32.9	23
Temple	1,445	-6	45.4	7	70.4	28	54.7	22	38.7	16	21.9	13	20.6	21
Total	6,938	1	44.6	3	72.3	20	51.5	21	40.4	21	28.3	13	29.3	25
State-owned														
Bloomsburg	392	1	52.4	4	66.1	29	53.4	34	42.0	32	31.8	5	61.8	a
California	285	a	54.7	4	68.6	38	56.4	29	44.0	18	26.9	14	47.2	1
Cheyney	96	3	52.9	6	69.2	30	54.1	30	43.1	28	34.0	11	0	1
Clarion	327	-1	53.4	5	68.4	31	56.1	28	43.1	30	32.7	11	na	0
East Stroudsburg	302	3	51.5	3	63.4	38	52.5	27	42.0	29	20.2	6	na	0
Edinboro	401	-2	51.3	3	65.3	29	51.7	23	43.4	43	34.5	5	19.0	a
Indiana	701	-3	55.3	6	67.9	37	55.2	28	44.7	25	35.4	8	29.7	2
Kutztown	371	-1	55.0	5	70.6	33	56.6	29	43.9	27	31.2	11	57.7	a
Lock Haven	181	-1	52.9	3	68.9	23	59.1	32	43.2	27	36.0	18	36.0	a
Mansfield	177	-4	54.6	6	70.6	28	57.5	30	45.2	32	30.3	10	na	0
Millersville	407	3	51.7	2	65.9	34	53.7	25	41.6	30	29.8	11	na	0
Shippensburg	309	1	57.6	3	70.1	45	58.3	18	44.2	32	32.4	5	na	0
Slippery Rock	371	-2	54.5	3	67.1	34	54.7	29	44.2	32	36.0	5	0	a
West Chester	577	3	50.0	2	67.1	24	55.1	30	44.3	25	30.1	21	34.4	a
Total	4,897	a	53.3	4	67.6	33	55.1	28	43.5	29	31.4	10	31.6	a
All universities	11,835	a	48.2	3	69.7	25	53.2	24	42.0	24	29.4	12	29.3	15

1. Average instructional salaries are calculated by dividing the total instructional salaries paid to all staff members in the respective ranks by their total full-time equivalency in the instructional function. One full-time equivalent faculty represents one full-time workload for two terms (one academic year). The summer term is treated as one term or one-half of the academic year. Data for each year represent the summer term preceding the academic year plus the academic year.

2. The full-time equivalency of nonranked faculty members is based on the time spent in instruction by all nonranked personnel, including lecturers, administrators, librarians, research staff, graduate assistants and volunteers.

a. Rounds to less than 1 percent.

na. Not applicable.

SOURCE: Data provided by the individual universities, 1995 and 1996.

Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL<sup>1</sup>  
1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Undergraduate						Master's					
	Lower division	Percentage change		Upper division	Percentage change		Total undergraduate	Percentage change		Total master's	Percentage change	
		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average
State-related												
Lincoln	\$1,910	-6%	6%	\$3,573	9%	4%	\$2,323	-2%	5%	\$1,893	-2%	13%
Penn State	1,454	-2	4	2,691	4	6	1,881	-1	5	4,218	1	7
Pittsburgh	1,709	9	8	2,964	-2	8	2,132	3	8	5,213	9	5
Temple	1,733	5	7	2,533	3	8	2,155	4	8	3,392	6	7
Total	1,556	1	6	2,709	2	7	1,990	1	6	4,336	6	6
State-owned												
Bloomsburg	2,298	2	6	4,069	9	7	2,843	5	7	4,062	8	11
California	2,243	10	8	3,872	11	11	2,713	9	9	3,353	-2	a
Cheyney	3,349	4	6	5,977	16	11	4,057	7	7	3,036	5	7
Clarion	2,351	2	7	4,760	3	8	3,062	2	8	4,907	-8	11
East Stroudsburg	2,438	8	9	4,305	9	7	2,937	6	8	3,066	16	12
Edinboro	2,354	3	7	4,113	3	8	2,934	4	8	3,999	-11	1
Indiana	2,134	9	9	4,531	10	12	2,900	9	11	5,942	2	9
Kutztown	2,136	8	8	4,473	5	8	2,937	7	8	4,219	a	9
Lock Haven	2,335	10	7	4,238	5	6	2,924	8	7	13,512	141	b
Mansfield	2,243	4	8	5,153	4	8	3,385	4	8	4,610	11	9
Millersville	2,591	1	10	3,732	5	5	3,010	3	9	3,272	-8	7
Shippensburg	2,358	4	5	4,305	6	9	2,899	4	7	3,759	-4	a
Slippery Rock	2,380	a	8	4,120	3	5	2,897	2	7	3,244	9	9
West Chester	2,426	5	7	3,741	5	8	2,885	5	7	4,228	3	6
Total	2,337	5	8	4,240	6	8	2,943	5	8	3,974	1	6
All universities	1,923	3	6	3,333	4	8	2,417	3	7	4,205	4	6

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

a. Rounds to less than 1 percent.

b. The master's level was not included prior to 1992-93.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Table 8A

LINCOLN UNIVERSITY  
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT<sup>1</sup>  
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
 1995-96

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's
Agriculture	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--
Area and ethnic studies	--	--	--	--	--	--
Business	\$2,423	\$2,262	\$2,310	--	--	--
Communications	--	--	--	--	--	--
Computer and information sciences	1,913	4,751	2,357	--	--	--
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,767	2,507	1,935	\$3,136	--	--
Engineering	--	--	--	--	--	--
Foreign languages	2,510	8,181	3,492	--	--	--
Health	--	--	--	--	--	--
Home economics	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--
Law	--	--	--	--	--	--
Letters	2,066	6,277	2,487	--	--	--
Liberal/general studies	--	--	--	--	--	--
Library and archival sciences	--	--	--	--	--	--
Life sciences	1,551	4,608	2,013	--	--	--
Mathematics	1,730	4,892	1,872	--	--	--
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	1,741	3,942	2,443	--	--	--
Parks and recreation	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,394	3,082	1,608	--	--	--
Physical sciences	2,667	5,719	3,325	--	--	--
Psychology	1,761	4,083	2,640	--	--	--
Public affairs and protective services	--	--	--	1,823	--	--
Social sciences	1,714	3,087	2,275	2,526	--	--
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	--	--	--	--	--	--
Other	--	--	--	--	--	--
Total	1,910	3,573	2,323	1,893	--	--

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

SOURCE: Data provided by Lincoln University, 1996.



Table 8B

PENNSYLVANIA STATE UNIVERSITY  
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT<sup>1</sup>  
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
 1995-96

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional <sup>3</sup>	Doctor's
Agriculture	\$1,643	\$1,839	\$1,801	\$6,045	--	\$10,530
Architecture and environmental design	1,780	2,972	2,460	13,955	--	9,921
Area and ethnic studies	1,493	4,294	2,156	9,054	--	34,331
Business	1,580	2,413	2,091	3,879	--	24,984
Communications	1,129	2,831	2,033	8,910	--	13,136
Computer and information sciences	1,869	2,570	2,024	1,979	--	17,417
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,032	2,661	1,858	2,026	--	6,198
Engineering	3,248	3,494	3,422	6,338	--	15,025
Foreign languages	1,749	2,415	1,874	5,301	--	12,184
Health	2,086	2,316	2,247	6,453	--	15,107
Home economics	652	1,718	1,273	7,259	--	8,106
Industrial arts	--	--	--	--	--	--
Law	--	--	--	--	--	--
Letters	1,753	2,263	1,884	5,676	--	10,421
Liberal/general studies	2,318	2,382	2,354	8,432	--	--
Library and archival sciences	2,700	6,128	3,917	--	--	--
Life sciences	1,184	2,094	1,394	9,519	--	12,960
Mathematics	1,555	3,150	1,700	3,574	--	12,874
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	1,472	2,730	2,063	2,841	--	9,377
Parks and recreation	915	1,594	1,418	12,954	--	14,762
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,060	2,180	1,218	7,911	--	10,320
Physical sciences	1,490	3,368	1,827	6,807	--	13,522
Psychology	659	2,037	1,122	3,618	--	7,847
Public affairs and protective services	1,757	2,029	1,961	3,757	--	13,490
Social sciences	1,048	3,088	1,481	8,443	--	11,903
Trade and industrial	3,427	15,100	3,518	--	--	--
Visual and performing arts	1,163	4,413	1,799	9,639	--	12,143
Other	--	--	--	--	--	--
<b>Total</b>	<b>1,454</b>	<b>2,691</b>	<b>1,881</b>	<b>4,218</b>	<b>--</b>	<b>11,798</b>

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Excludes medical school data.

SOURCE: Data provided by Pennsylvania State University, 1996.

Table 8C

UNIVERSITY OF PITTSBURGH  
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT<sup>1</sup>  
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
 1995-96

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional <sup>3</sup>	Doctor's
Agriculture	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--
Area and ethnic studies	\$1,861	\$4,003	\$2,602	\$5,937	--	\$15,490
Business	2,513	2,656	2,621	2,753	--	33,358
Communications	1,139	2,528	2,101	3,634	--	8,133
Computer and information sciences	1,636	3,329	2,035	3,573	--	13,109
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,463	3,109	2,382	2,815	--	7,620
Engineering	4,049	3,018	3,383	6,858	--	12,516
Foreign languages	2,184	2,669	2,307	7,161	--	17,365
Health	1,890	2,819	2,650	8,540	\$1,522	17,586
Home economics	--	2,167	2,167	7,501	--	--
Industrial arts	--	--	--	--	--	--
Law	--	--	--	--	2,765	33,827
Letters	1,880	2,541	2,063	4,155	--	11,931
Liberal/general studies	--	--	--	--	--	--
Library and archival sciences	--	--	--	2,397	--	12,654
Life sciences	1,514	3,621	2,174	14,695	--	20,920
Mathematics	1,763	5,350	2,126	6,892	--	16,097
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	1,233	2,660	1,338	0	--	--
Parks and recreation	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,669	3,288	1,924	10,730	--	20,617
Physical sciences	1,524	6,829	1,872	10,650	--	13,122
Psychology	989	2,347	1,267	8,209	--	13,560
Public affairs and protective services	1,083	1,438	1,366	4,191	--	6,591
Social sciences	1,629	3,137	2,106	9,250	--	18,057
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	1,444	4,547	1,964	7,934	--	14,551
Other	--	--	--	--	--	--
<b>Total</b>	<b>1,709</b>	<b>2,964</b>	<b>2,132</b>	<b>5,213</b>	<b>2,157</b>	<b>12,444</b>

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Excludes medical school data.

SOURCE: Data provided by University of Pittsburgh, 1996.

Table 8D

TEMPLE UNIVERSITY  
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT<sup>1</sup>  
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
 1995-96

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional <sup>3</sup>	Doctor's
Agriculture	\$2,310	\$2,370	\$2,342	--	--	--
Architecture and environmental design	2,609	3,844	3,476	\$887	--	--
Area and ethnic studies	1,931	2,656	2,246	3,949	--	\$5,195
Business	1,712	2,382	2,170	2,786	--	15,185
Communications	1,815	2,975	2,524	5,666	--	9,840
Computer and information sciences	2,540	3,950	3,419	3,621	--	11,747
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,420	2,113	1,881	2,415	--	6,556
Engineering	3,227	3,764	3,626	6,201	--	16,231
Foreign languages	1,979	2,573	2,257	4,153	--	7,591
Health	1,761	1,584	1,597	3,251	\$4,431	9,009
Home economics	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--
Law	1,284	3,045	2,123	3,459	3,252	--
Letters	1,908	2,612	2,133	8,225	--	5,675
Liberal/general studies	964	989	972	2,694	--	--
Library and archival sciences	--	--	--	--	--	--
Life sciences	721	1,871	1,304	2,882	--	5,931
Mathematics	1,968	2,771	2,214	3,471	--	18,030
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	--	--	--	--	--	--
Parks and recreation	1,953	3,199	2,916	2,856	--	7,073
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,862	3,019	2,384	8,477	--	9,895
Physical sciences	1,450	2,330	1,818	4,034	--	12,487
Psychology	1,059	1,995	1,568	2,738	--	6,456
Public affairs and protective services	1,357	2,071	1,826	2,309	--	10,437
Social sciences	1,432	2,412	1,879	3,866	--	8,220
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	2,577	3,868	3,216	6,742	--	10,223
Other	--	--	--	--	--	--
<b>Total</b>	<b>1,733</b>	<b>2,533</b>	<b>2,155</b>	<b>3,392</b>	<b>3,759</b>	<b>8,081</b>

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Excludes medical school data.

SOURCE: Data provided by Temple University, 1996.

Table 8E

STATE-OWNED UNIVERSITIES  
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT<sup>1</sup>  
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION<sup>2</sup>  
 1995-96

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's <sup>3</sup>
Agriculture	\$1,994	\$2,306	\$2,022	\$3,930	--	--
Architecture and environmental design	--	2,859	2,859	2,888	--	--
Area and ethnic studies	2,436	3,455	2,888	5,372	--	--
Business	2,358	3,578	3,056	4,087	--	--
Communications	2,439	3,946	3,084	4,756	--	--
Computer and information sciences	2,530	5,369	3,044	3,846	--	--
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,941	3,727	2,967	2,995	--	\$6,165
Engineering	4,120	5,782	5,188	3,667	--	--
Foreign languages	3,200	6,331	3,654	4,446	--	--
Health	2,827	4,737	4,089	3,563	--	--
Home economics	2,091	3,340	2,695	13,923	--	--
Industrial arts	3,778	5,299	4,590	2,786	--	--
Law	2,166	2,288	2,218	3,244	--	--
Letters	2,439	4,103	2,729	6,406	--	4,777
Liberal/general studies	1,591	3,283	1,694	0	--	--
Library and archival sciences	2,873	5,657	4,088	3,172	--	--
Life sciences	2,514	5,820	3,202	8,503	--	--
Mathematics	2,593	5,071	2,835	6,163	--	--
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	1,837	4,195	2,572	3,840	--	--
Parks and recreation	2,297	3,407	2,888	5,620	--	--
Personal and social development	2,747	5,416	3,292	3,465	--	--
Philosophy, religion and theology	2,125	3,833	2,362	7,355	--	--
Physical sciences	3,212	8,792	3,901	14,760	--	--
Psychology	1,723	3,275	2,255	3,830	--	14,135
Public affairs and protective services	1,730	3,321	2,560	2,526	--	--
Social sciences	1,779	4,102	2,287	5,853	--	10,028
Trade and industrial	4,898	7,451	5,810	--	--	--
Visual and performing arts	2,632	6,671	3,505	11,629	--	--
Other	2,702	4,887	2,872	3,940	--	--
<b>Total</b>	<b>2,337</b>	<b>4,240</b>	<b>2,943</b>	<b>3,974</b>	<b>--</b>	<b>7,310</b>

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

3. Doctor's level for Indiana University only.

SOURCE: Data provided by the individual State-owned universities, 1996.

Table 9

AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL<sup>1</sup>  
1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Undergraduate									Master's		
	Lower division			Upper division			Total undergraduate					
	Class size	Percentage change		Class size	Percentage change		Class size	Percentage change		Class size	Percentage change	
	One-year	Five-year average		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average	
State-related												
Lincoln	21	5%	-1%	13	0%	0%	18	0%	-1%	15	7%	-1%
Penn State	31	3	0	26	0	-1	29	0	-1	14	0	0
Pittsburgh	29	0	-1	24	0	-1	27	0	-1	17	-6	0
Temple	28	8	2	23	5	-1	25	4	0	15	0	0
Total	30	3	0	24	0	-2	27	0	-1	16	0	1
State-owned												
Bloomsburg	23	0	-2	15	-6	-3	20	0	-3	11	0	-3
California	29	-6	1	17	-6	-2	24	-4	0	14	0	5
Cheyney	19	0	-2	11	-8	-5	16	0	-3	14	-7	-5
Clarion	33	3	-1	15	0	-1	24	0	-1	12	9	-2
East Stroudsburg	28	0	0	19	6	2	25	4	1	17	-11	-5
Edinboro	26	0	-1	17	0	1	23	5	0	10	0	2
Indiana	28	-3	-2	14	-7	-4	21	-5	-3	9	-10	0
Kutztown	28	-3	-1	15	0	-1	22	0	-1	13	8	0
Lock Haven	28	0	0	20	18	13	25	4	5	a	na	b
Mansfield	26	0	-1	9	12	-2	15	7	-3	8	0	-2
Millersville	26	4	3	19	0	7	23	0	4	14	8	2
Shippensburg	28	0	0	16	-6	c	23	0	c	15	7	3
Slippery Rock	31	3	1	16	0	0	24	0	-1	16	-11	-2
West Chester	24	4	0	14	0	-2	19	0	-1	11	10	-2
Total	27	0	-1	15	0	-1	22	0	-1	12	0	0
All universities <sup>2</sup>	28	0	-1	20	0	-1	24	0	-1	14	0	0

1. Average class size for each level is calculated by dividing total classroom student credit hours by total classroom course (assigned) credits.

2. Because of rounding, percentage changes for the all universities total may not appear to reflect the percentage changes for the State-related and State-owned university group totals.

a. No classroom instruction.

b. The master's level was not included prior to 1992-93.

c. Class sizes after 1991-92 are not comparable with those for previous years because of a change in reporting student teaching.

na. Not applicable.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS BY ACADEMIC LEVEL AND RESIDENCE  
1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Undergraduate						Graduate <sup>1</sup>					
	In-State			Out-of-State			In-State			Out-of-State		
	Tuition and required fees	Percentage change		Tuition and required fees	Percentage change		Tuition and required fees	Percentage change		Tuition and required fees	Percentage change	
	One-year	Five-year average		One-year	Five-year average		One-year	Five-year average		One-year	Five-year average	
State-related												
Lincoln	\$3,956	13%	12%	\$6,144	9%	13%	\$5,289	8%	10%	\$8,499	11%	13%
Penn State <sup>2</sup>	5,258	4	6	11,310	5	7	5,872	4	6	12,018	5	7
Pittsburgh <sup>2</sup>	5,638	4	6	11,724	4	6	7,454	4	7	14,792	4	7
Temple	5,514	1	5	10,296	a	6	6,656	5	6	9,368	5	10
Average	5,091	5	7	9,868	4	7	6,318	5	7	11,169	6	9
State-owned												
Bloomsburg	3,915	6	11	8,889	5	19	3,783	6	11	6,353	5	22
California	4,136	6	11	9,110	5	19	4,038	6	10	6,608	6	21
Cheyney	3,729	4	10	8,703	4	18	3,604	6	10	6,174	5	21
Clarion	4,054	5	10	9,028	5	18	3,970	5	11	6,540	5	21
East Stroudsburg	4,016	4	10	8,990	5	18	3,862	5	11	6,432	5	21
Edinboro	3,924	6	10	8,898	5	18	3,924	6	11	6,694	9	22
Indiana	3,891	4	10	8,865	5	18	3,787	5	10	6,357	5	21
Kutztown	3,940	7	12	8,914	4	19	3,810	7	12	6,380	5	23
Lock Haven	3,822	4	11	8,796	-1	19	3,822	4	b	6,392	a	b
Mansfield	3,804	5	9	8,778	5	18	3,624	5	10	6,194	5	21
Millersville	4,100	5	11	9,074	5	19	4,100	5	11	6,670	5	21
Shippensburg	4,010	4	10	8,984	4	18	3,850	4	10	6,420	4	20
Slippery Rock	4,013	5	11	8,987	5	19	4,013	5	11	6,583	5	22
West Chester	3,874	6	12	8,848	5	20	3,756	6	11	6,326	6	22
Average	3,945	5	11	8,919	4	19	3,853	5	11	6,437	5	21

1. Excludes first-professional level.

2. Main campus data only.

a. Rounds to less than 1 percent.

b. The graduate level was not included prior to 1992-93.

SOURCE: Pennsylvania Department of Education, *Colleges and Universities-Basic Student Charges*, 1990-91 to 1995-96.

Table 11

TUITION AND FEE REVENUES RELATED TO FULL-TIME EQUIVALENT STUDENTS<sup>1</sup>  
 1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Total tuition and fee revenues			Tuition and fee revenues per FTE student			
	Amount (000s)	Percentage change		Amount	One-year change	Percentage change	
		One- year	Five-year average			One- year	Five-year average
<b>State-related</b>							
Lincoln	\$8,979	27%	17%	\$5,810	\$830	17%	15%
Penn State	425,957	13	7	6,640	490	8	7
Pittsburgh	215,810	3	5	7,830	440	6	7
Temple	169,791	-1	5	6,960	110	2	6
<b>Total</b>	<b>820,537</b>	<b>7</b>	<b>6</b>	<b>6,970</b>	<b>380</b>	<b>6</b>	<b>7</b>
<b>State-owned</b>							
Bloomsburg	29,172	6	11	4,150	220	6	12
California	22,695	1	10	4,090	180	5	13
Cheyney	5,898	8	5	4,530	270	6	8
Clarion	21,413	6	6	3,870	120	3	9
East Stroudsburg	24,267	2	9	4,610	140	3	10
Edinboro	28,828	4	8	4,210	220	6	10
Indiana	55,507	3	9	4,570	380	9	13
Kutztown	28,447	3	8	4,210	210	5	10
Lock Haven	13,657	-3	8	4,210	100	2	11
Mansfield	11,963	-1	6	4,260	90	2	9
Millersville	30,864	4	10	4,460	30	1	11
Shippensburg	24,780	5	10	4,140	180	5	10
Slippery Rock	28,829	1	8	4,170	100	2	10
West Chester	42,431	3	8	4,430	100	2	10
<b>Total</b>	<b>368,751</b>	<b>3</b>	<b>9</b>	<b>4,290</b>	<b>180</b>	<b>4</b>	<b>11</b>
<b>All universities</b>	<b>1,189,288</b>	<b>6</b>	<b>7</b>	<b>5,840</b>	<b>310</b>	<b>6</b>	<b>8</b>

1. Tuition and fee revenues are based on collections by the individual universities. FTE students include in-State and out-of-State undergraduate and graduate students. Excludes medical school data.

a. Rounds to less than 1 percent.

SOURCE: Tuition and fee revenues - individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1991 to 1996; FTE students - data provided by the individual universities, 1991 to 1996.

Table 12

COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS RELATED TO FULL-TIME EQUIVALENT STUDENTS<sup>1</sup>  
 1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Total instructional appropriations			Instructional appropriations per FTE student			
	Amount (000s)	Percentage change		Amount	One-year change	Percentage change	
		One- year	Five-year average			One- year	Five-year average
State-related							
Lincoln	\$9,663	1%	1%	\$6,250	\$-510	-8%	a
Penn State <sup>2</sup>	214,664	3	4	3,350	-50	-1	4%
Pittsburgh <sup>2</sup>	130,877	3	3	4,750	240	5	4
Temple	137,330	2	2	5,630	270	5	3
Total	492,534	3	3	4,190	50	1	3
State-owned							
Bloomsburg	29,889	1	3	4,250	50	1	4
California	27,567	9	4	4,970	540	12	7
Cheyney	12,950	2	1	9,940	10	a	4
Clarion	28,456	6	4	5,140	190	4	7
East Stroudsburg	20,323	-5	1	3,860	-170	-4	2
Edinboro	28,799	4	4	4,210	250	6	6
Indiana	56,822	6	4	4,680	500	12	8
Kutztown	28,856	2	3	4,270	170	4	4
Lock Haven	16,761	4	3	5,170	480	10	5
Mansfield	15,908	2	3	5,660	250	5	5
Millersville	31,095	4	3	4,490	60	1	4
Shippensburg	26,678	3	3	4,450	90	2	3
Slippery Rock	30,750	4	3	4,450	230	5	5
West Chester	38,842	-5	1	4,060	-240	-6	3
Total <sup>3</sup>	393,696	3	3	4,580	170	4	5
All universities <sup>3</sup>	886,230	3	3	4,350	100	2	4

1. Instructional appropriations include educational and general appropriations and, except for 1991-92 and 1992-93, Tuition Challenge Grants. FTE students include in-State and out-of-State undergraduate and graduate students. Excludes medical school data.

2. Includes instructional appropriations for branch campuses - Bradford, Johnstown and Titusville.

3. Excludes amount of instructional appropriation allocated to Office of the Chancellor, McKeever Center, Faculty Professional Development, University Center and System Reserve of the State System of Higher Education.

a. Rounds to less than 1 percent.

SOURCE: Instructional appropriations - *Governor's Executive Budget*, 1992-93 to 1996-97; State System of Higher Education, Commonwealth of Pennsylvania, 1991 to 1996; and individual State-related universities, 1992 to 1996. FTE students - data provided by the individual universities, 1991 to 1996.



Table 13

TUIITION AND FEE REVENUES,  
COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS AND STUDENT AID PER FULL-TIME EQUIVALENT STUDENT<sup>1</sup>  
1995-96, CHANGE FROM 1994-95 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1990-91 to 1995-96)

University	Per FTE student			Ratio of instructional appropriations to total instructional revenues			Student aid per FTE student <sup>2</sup>
	Tuition and fee revenues	Instructional appropriations	Total instructional revenues	Percentage	Percentage change		
					One-year	Five-year average	
<b>State-related</b>							
Lincoln	\$5,810	\$6,250	\$12,060	52%	-10%	-4%	\$408
Penn State <sup>3</sup>	6,640	3,350	9,990	34	-6	-1	444
Pittsburgh <sup>3</sup>	7,830	4,750	12,580	38	0	-1	478
Temple	6,960	5,630	12,590	45	2	-1	495
Total	6,970	4,190	11,160	38	-3	-1	462
<b>State-owned</b>							
Bloomsburg	4,150	4,250	8,400	51	-2	-2	433
California	4,090	4,970	9,060	55	4	-2	610
Cheyney	4,530	9,940	14,470	69	-1	-1	932
Clarion	3,870	5,140	9,010	57	0	-1	588
East Stroudsburg	4,610	3,860	8,470	46	-2	-3	418
Edinboro	4,210	4,210	8,420	50	0	-1	620
Indiana	4,570	4,680	9,250	51	2	-1	635
Kutztown	4,210	4,270	8,480	50	-2	-2	384
Lock Haven	4,210	5,170	9,380	55	4	-2	595
Mansfield	4,260	5,660	9,920	57	2	-1	607
Millersville	4,460	4,490	8,950	50	0	-2	405
Shippensburg	4,140	4,450	8,590	52	0	-2	389
Slippery Rock	4,170	4,450	8,620	52	2	-1	573
West Chester	4,430	4,060	8,490	48	-4	-3	350
Total <sup>4</sup>	4,290	4,580	8,870	52	0	-2	509
All universities <sup>4</sup>	5,840	4,350	10,190	43	0	-2	482

1. Tuition and fee revenues are based on collections by the individual universities. Instructional appropriations include educational and general appropriations and, except for 1991-92 and 1992-93, Tuition Challenge Grants. FTE students include in-State and out-of-State undergraduate and graduate students. Excludes medical school data.

2. Includes grants and matching funds. Does not include student loans.

3. Includes instructional appropriations for branch campuses - Bradford, Johnstown and Titusville.

4. Instructional appropriations exclude amount allocated to Office of the Chancellor, McKeever Center, Faculty Professional Development, University Center and System Reserve of the State System of Higher Education.

a. Rounds to less than 1 percent.

SOURCE: Tuition and fee revenues - individual State-related universities and the State System of Higher Education, Commonwealth of Pennsylvania, 1991 to 1996; instructional appropriations - *Governor's Executive Budget*, 1992-93 to 1996-97; State System of Higher Education, Commonwealth of Pennsylvania, 1991 to 1996; and individual State-related universities 1992 to 1996; FTE students - data provided by the individual universities, 1991 to 1996; student aid - Pennsylvania Higher Education Assistance Agency, August 1996.



### **III. HISTORICAL DATA**

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Historical Table 1  
 FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL<sup>1</sup>  
 1990-91 to 1995-96

University	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
<b>State-related</b>						
Lincoln						
Total	1,469	1,540	1,531	1,496	1,416	1,546
Undergraduate	1,245	1,337	1,321	1,272	1,217	1,317
Graduate	224	203	210	224	199	229
Penn State						
Total	63,633	63,537	63,161	61,170	61,082	64,137
Undergraduate	57,223	57,224	56,739	54,879	54,725	57,601
Graduate	6,410	6,313	6,422	6,291	6,357	6,536
Pittsburgh						
Total	29,348	29,492	29,405	28,865	28,290	27,565
Undergraduate	21,873	22,097	21,638	20,998	20,478	20,040
Graduate	7,475	7,395	7,767	7,867	7,812	7,525
Temple						
Total	25,296	26,321	25,773	25,349	25,078	24,399
Undergraduate	19,143	19,617	18,910	18,340	18,087	17,711
Graduate	6,153	6,704	6,863	7,009	6,991	6,688
<b>State-owned</b>						
Bloomsburg						
Total	7,281	7,415	7,379	7,159	7,040	7,026
Undergraduate	6,839	6,966	6,984	6,782	6,628	6,582
Graduate	442	449	395	377	412	444
California						
Total	6,209	6,242	6,044	5,804	5,733	5,547
Undergraduate	5,630	5,581	5,307	5,047	4,982	4,690
Graduate	579	661	737	757	751	857
Cheyney						
Total	1,486	1,389	1,423	1,412	1,278	1,303
Undergraduate	1,240	1,174	1,247	1,206	1,084	1,099
Graduate	246	215	176	206	194	204
Clarion						
Total	6,260	6,028	5,863	5,633	5,409	5,534
Undergraduate	5,820	5,659	5,546	5,312	5,133	5,234
Graduate	440	369	317	321	276	300
East Stroudsburg						
Total	5,384	5,309	5,251	5,277	5,317	5,263
Undergraduate	4,760	4,645	4,645	4,629	4,655	4,597
Graduate	624	664	606	648	662	666
Edinboro						
Total	7,548	7,651	7,637	7,271	6,971	6,840
Undergraduate	7,118	7,233	7,231	6,883	6,556	6,393
Graduate	430	418	406	388	415	447
Indiana						
Total	13,976	14,255	13,696	13,249	12,841	12,152
Undergraduate	12,961	13,116	12,541	12,241	11,795	11,104
Graduate	1,015	1,139	1,155	1,008	1,046	1,048
Kutztown						
Total	7,123	7,126	6,926	6,865	6,909	6,758
Undergraduate	6,713	6,724	6,524	6,476	6,485	6,326
Graduate	410	402	402	389	424	432
Lock Haven						
Total	3,505	3,599	3,669	3,520	3,431	3,243
Undergraduate	3,505	3,599	3,661	3,511	3,413	3,236
Graduate	a	a	8	9	18	7
Mansfield						
Total	3,070	3,149	3,142	3,089	2,893	2,810
Undergraduate	2,887	2,960	2,953	2,914	2,744	2,658
Graduate	183	189	189	175	149	152
Millersville						
Total	7,072	6,959	6,919	6,510	6,711	6,920
Undergraduate	6,216	6,168	6,093	5,710	5,957	6,100
Graduate	856	791	826	800	754	820
Shippensburg						
Total	6,015	6,197	6,096	5,974	5,950	5,989
Undergraduate	5,543	5,695	5,597	5,467	5,449	5,459
Graduate	472	502	499	507	501	530
Slippery Rock						
Total	7,436	7,496	7,358	7,167	7,005	6,908
Undergraduate	6,831	6,866	6,738	6,553	6,382	6,317
Graduate	605	630	620	614	623	591
West Chester						
Total	10,237	10,219	10,048	9,715	9,502	9,578
Undergraduate	9,121	9,135	9,003	8,702	8,565	8,653
Graduate	1,116	1,084	1,045	1,013	937	925

1. Data for each year represent the summer term preceding the academic year plus the academic year. Full-time equivalent students are calculated by dividing undergraduate student credit hours by 30 and graduate student credit hours by 24. In addition to master's level, graduate for Penn State, Pittsburgh, Temple and Indiana includes first-professional (excluding medical schools) and/or doctor's levels.  
 a. The graduate level was not included prior to 1992-93.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Historical Table 2

STUDENT CREDIT HOURS BY ACADEMIC DIVISION AND LEVEL<sup>1</sup>  
 TOTAL YEAR AND SUMMER 1990-91 to 1995-96  
 (in thousands)

University	Total year							Summer			
	Lower division	Upper division	Total under-graduate	Master's	First professional	Doctor's	Total graduate	Grand total	Total under-graduate	Total graduate	Grand total
State-related											
Lincoln											
1990-91	29	9	38	5	na	na	5	43	1	1	2
1991-92	31	9	40	5	na	na	5	45	1	1	2
1992-93	30	10	40	5	na	na	5	45	1	a	1
1993-94	28	10	38	5	na	na	5	43	1	1	2
1994-95	26	10	36	5	na	na	5	41	1	1	2
1995-96	30	10	40	6	na	na	6	46	2	1	3
Penn State											
1990-91	1,091	626	1,717	82	na	72	154	1,871	104	23	127
1991-92	1,083	634	1,717	82	na	70	152	1,869	105	23	128
1992-93	1,092	611	1,703	85	na	69	154	1,857	104	23	127
1993-94	1,029	618	1,647	81	na	70	151	1,798	100	22	122
1994-95	1,040	601	1,641	85	na	68	153	1,794	101	21	122
1995-96	1,131	597	1,728	90	na	67	157	1,885	103	23	126
Pittsburgh											
1990-91	441	215	656	118	38	24	180	836	65	33	98
1991-92	440	223	663	121	36	20	177	840	63	31	94
1992-93	431	218	649	129	36	22	187	836	57	32	89
1993-94	415	215	630	129	38	22	189	819	54	33	87
1994-95	405	209	614	128	38	22	188	802	52	34	86
1995-96	398	203	601	120	39	22	181	782	49	30	79
Temple											
1990-91	284	291	575	77	48	23	148	723	56	17	73
1991-92	281	308	589	84	53	24	161	750	56	20	76
1992-93	262	305	567	87	54	24	165	732	55	21	76
1993-94	262	288	550	91	54	23	168	718	52	22	74
1994-95	261	282	543	90	56	22	168	711	52	22	74
1995-96	251	280	531	86	54	20	160	691	52	22	74
State-owned											
Bloomsburg											
1990-91	145	60	205	11	na	na	11	216	19	5	24
1991-92	146	63	209	11	na	na	11	220	19	4	23
1992-93	143	66	209	9	na	na	9	218	19	3	22
1993-94	139	64	203	9	na	na	9	212	19	3	22
1994-95	136	63	199	10	na	na	10	209	17	3	20
1995-96	137	61	198	11	na	na	11	209	18	4	22
California											
1990-91	112	57	169	14	na	na	14	183	12	4	16
1991-92	116	52	168	16	na	na	16	184	11	4	15
1992-93	109	50	159	18	na	na	18	177	10	5	15
1993-94	104	47	151	18	na	na	18	169	8	5	13
1994-95	103	46	149	18	na	na	18	167	7	5	12
1995-96	100	41	141	21	na	na	21	162	7	5	12
Cheyney											
1990-91	27	10	37	6	na	na	6	43	1	2	3
1991-92	25	10	35	5	na	na	5	40	1	2	3
1992-93	28	9	37	4	na	na	4	41	1	1	2
1993-94	27	10	37	5	na	na	5	42	1	1	2
1994-95	23	9	32	5	na	na	5	37	a	1	1
1995-96	24	9	33	5	na	na	5	38	1	1	2
Clarion											
1990-91	124	51	175	11	na	na	11	186	12	4	16
1991-92	119	51	170	9	na	na	9	179	11	3	14
1992-93	116	50	166	8	na	na	8	174	11	2	13
1993-94	111	48	159	8	na	na	8	167	10	2	12
1994-95	108	46	154	7	na	na	7	161	9	2	11
1995-96	111	46	157	7	na	na	7	164	9	2	11
East Stroudsburg											
1990-91	105	38	143	15	na	na	15	158	16	6	22
1991-92	102	38	140	16	na	na	16	156	15	7	22
1992-93	100	40	140	15	na	na	15	155	15	6	21
1993-94	97	42	139	16	na	na	16	155	13	6	19
1994-95	98	42	140	16	na	na	16	156	12	6	18
1995-96	101	37	138	16	na	na	16	154	13	7	20
Edinboro											
1990-91	154	60	214	10	na	na	10	224	12	3	15
1991-92	153	64	217	10	na	na	10	227	14	3	17
1992-93	150	67	217	10	na	na	10	227	14	2	16
1993-94	142	65	207	9	na	na	9	216	14	2	16
1994-95	135	62	197	10	na	na	10	207	12	2	14
1995-96	129	63	192	11	na	na	11	203	11	3	14
Indiana											
1990-91	269	119	388	24	na	b	24	412	34	7	41
1991-92	265	128	393	27	na	b	27	420	33	8	41
1992-93	250	126	376	28	na	b	28	404	32	8	40
1993-94	244	123	367	19	na	5	24	391	29	7	36

1994-95	239	115	354	20	na	5	25	379	27	7	34
1995-96	227	106	333	20	na	5	25	358	26	7	33
Kutztown											
1990-91	135	67	202	10	na	na	10	212	11	3	14
1991-92	132	70	202	10	na	na	10	212	12	3	15
1992-93	125	71	196	10	na	na	10	206	11	3	14
1993-94	125	69	194	9	na	na	9	203	11	3	14
1994-95	128	66	194	10	na	na	10	204	9	3	12
1995-96	125	65	190	10	na	na	10	200	8	3	11
Lock Haven											
1990-91	76	29	105	c	na	na	c	105	5	c	5
1991-92	78	30	108	c	na	na	c	108	5	c	5
1992-93	80	30	110	a	na	na	a	110	6	a	6
1993-94	74	32	106	a	na	na	a	106	5	a	5
1994-95	71	31	102	a	na	na	a	102	5	a	5
1995-96	67	30	97	a	na	na	a	97	5	a	5
Mansfield											
1990-91	62	24	86	4	na	na	4	90	5	1	6
1991-92	62	27	89	5	na	na	5	94	5	1	6
1992-93	61	28	89	5	na	na	5	94	5	2	7
1993-94	55	32	87	4	na	na	4	91	5	2	7
1994-95	51	31	82	4	na	na	4	86	5	1	6
1995-96	48	31	79	4	na	na	4	83	5	1	6
Millersville											
1990-91	132	54	186	21	na	na	21	207	16	14	30
1991-92	127	58	185	19	na	na	19	204	16	12	28
1992-93	121	62	183	20	na	na	20	203	15	13	28
1993-94	114	57	171	19	na	na	19	190	14	13	27
1994-95	114	64	178	18	na	na	18	196	13	11	24
1995-96	116	67	183	20	na	na	20	203	13	13	26
Shippensburg											
1990-91	120	46	166	11	na	na	11	177	10	4	14
1991-92	123	48	171	12	na	na	12	183	10	4	14
1992-93	119	49	168	12	na	na	12	180	10	4	14
1993-94	118	46	164	12	na	na	12	176	8	4	12
1994-95	117	46	163	12	na	na	12	175	7	4	11
1995-96	118	46	164	13	na	na	13	177	8	4	12
Slippery Rock											
1990-91	151	54	205	15	na	na	15	220	16	3	19
1991-92	146	60	206	15	na	na	15	221	17	4	21
1992-93	141	61	202	15	na	na	15	217	17	4	21
1993-94	138	59	197	15	na	na	15	212	16	3	19
1994-95	135	56	191	15	na	na	15	206	14	3	17
1995-96	133	56	189	14	na	na	14	203	14	4	18
West Chester											
1990-91	183	91	274	27	na	na	27	301	22	7	29
1991-92	180	94	274	26	na	na	26	300	22	7	29
1992-93	175	95	270	25	na	na	25	295	22	7	29
1993-94	166	95	261	24	na	na	24	285	20	7	27
1994-95	165	92	257	22	na	na	22	279	19	6	25
1995-96	169	91	260	22	na	na	22	282	20	6	26

1. Data for each year represent the summer term preceding the academic year plus the academic year. The first-professional level excludes medical school data for all universities.  
a. Rounds to less than one thousand student credit hours.  
b. The doctor's level was included in master's level prior to 1993-94.  
c. The master's level was not included prior to 1992-93.  
na. Not applicable.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Historical Table 3  
DEGREES CONFERRED<sup>1</sup>  
1990-91 to 1995-96

University	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
<b>State-related</b>						
Lincoln						
Total	300	292	250	313	298	310
Bachelor's	208	207	188	220	224	240
Graduate	92	85	62	93	74	70
Penn State						
Total	11,205	11,440	11,452	11,510	11,292	11,049
Bachelor's	9,278	9,395	9,387	9,231	8,981	8,716
Graduate	1,927	2,045	2,065	2,279	2,311	2,333
Pittsburgh						
Total	6,130	6,531	6,761	6,872	6,993	6,543
Bachelor's	3,690	3,975	4,185	4,065	4,020	3,885
Graduate	2,440	2,556	2,576	2,807	2,973	2,658
Temple						
Total	5,402	5,815	5,804	5,748	5,768	5,538
Bachelor's	3,563	3,672	3,660	3,382	3,299	3,162
Graduate	1,839	2,143	2,144	2,366	2,469	2,376
<b>State-owned</b>						
Bloomsburg						
Total	1,432	1,517	1,568	1,593	1,543	1,553
Bachelor's	1,240	1,256	1,347	1,368	1,354	1,323
Graduate	192	261	221	225	189	230
California						
Total	1,132	1,213	1,241	1,194	1,133	1,235
Bachelor's	928	968	976	923	865	911
Graduate	204	245	265	271	268	324
Cheyney						
Total	211	246	238	251	268	222
Bachelor's	137	148	151	173	189	132
Graduate	74	98	87	78	79	90
Clarion						
Total	1,134	1,212	1,146	1,195	1,025	1,039
Bachelor's	952	1,030	972	1,014	858	890
Graduate	182	182	174	181	167	149
East Stroudsburg						
Total	977	992	1,057	1,023	1,075	1,068
Bachelor's	810	803	864	826	852	824
Graduate	167	189	193	197	223	244
Edinboro						
Total	1,118	1,239	1,399	1,453	1,401	1,312
Bachelor's	969	1,074	1,230	1,284	1,191	1,131
Graduate	149	165	169	169	210	181
Indiana						
Total	2,697	2,648	2,756	2,742	2,591	2,656
Bachelor's	2,285	2,241	2,293	2,254	2,116	2,110
Graduate	412	407	463	488	475	546
Kutztown						
Total	1,253	1,369	1,440	1,382	1,349	1,276
Bachelor's	1,071	1,162	1,204	1,199	1,153	1,052
Graduate	182	207	236	183	196	224
Lock Haven						
Total	533	562	568	646	625	584
Bachelor's	533	562	564	645	624	582
Graduate	a	a	4	1	1	2
Mansfield						
Total	493	610	632	656	611	528
Bachelor's	430	551	548	564	538	467
Graduate	63	59	84	92	73	61
Millersville						
Total	1,337	1,349	1,438	1,468	1,367	1,380
Bachelor's	1,167	1,162	1,266	1,293	1,215	1,229
Graduate	170	187	172	175	152	151
Shippensburg						
Total	1,408	1,491	1,543	1,546	1,435	1,422
Bachelor's	1,105	1,158	1,247	1,230	1,114	1,139
Graduate	303	333	296	316	321	283
Slippery Rock						
Total	1,329	1,375	1,478	1,374	1,381	1,362
Bachelor's	1,152	1,172	1,311	1,242	1,195	1,151
Graduate	177	203	167	132	186	211
West Chester						
Total	1,884	1,945	2,088	1,964	2,001	1,877
Bachelor's	1,526	1,598	1,718	1,666	1,620	1,492
Graduate	358	347	370	298	381	385

1. Data for each year represent the summer term preceding the academic year plus the academic year. Graduate include master's at all universities, first professional (excluding medical schools) at Pittsburgh and Temple, and doctor's at Penn State, Pittsburgh, Temple and Indiana.  
a. The graduate level was not included prior to 1992-93.

SOURCE: Data provided by the individual universities, 1991 to 1996.



Historical Table 4

NUMBER AND AVERAGE WEEKLY STUDENT CONTACT HOURS OF FULL-TIME EMPLOYED FACULTY BY ACADEMIC LEVEL<sup>1</sup>  
FALL 1990 to FALL 1995

University	Full-time employed faculty <sup>2</sup>						Undergraduate average weekly student contact hours						Graduate average weekly student contact hours					
	1990	1991	1992	1993	1994	1995	1990	1991	1992	1993	1994	1995	1990	1991	1992	1993	1994	1995
State-related																		
Lincoln	76	81	77	81	83	81	9.8	10.4	9.7	9.5	9.9	9.7	.6	.5	1.1	.9	.9	.8
Penn State	3,008	3,020	2,947	2,954	2,943	3,000	6.8	6.7	6.7	6.7	6.7	6.6	1.7	1.8	1.8	1.8	1.8	1.8
Pittsburgh	1,667	1,708	1,735	1,739	1,770	1,721	4.5	4.4	4.6	4.5	4.4	4.8	3.6	3.4	3.9	3.8	4.0	4.2
Temple	1,148	1,137	1,151	1,129	1,137	1,088	4.8	4.9	5.0	4.9	5.0	5.3	3.1	3.1	3.9	3.8	4.0	4.0
Total	5,899	5,946	5,910	5,903	5,933	5,890	5.8	5.7	5.8	5.7	5.7	5.9	2.5	2.5	2.8	2.8	2.9	2.9
State-owned																		
Bloomsburg	353	353	359	360	355	366	10.6	10.6	11.1	11.2	11.4	11.1	.9	.8	.9	.8	.9	.8
California	297	263	330	285	279	286	10.2	10.2	9.9	9.2	10.0	10.2	1.3	1.1	1.2	1.2	1.6	1.6
Cheyney	88	91	73	87	92	90	10.9	10.8	11.6	10.5	10.2	10.5	1.0	.8	1.1	.8	1.0	1.3
Clarion	351	345	341	333	340	346	10.2	10.0	10.7	10.9	11.2	10.5	.7	.7	.7	.9	.7	.9
East Stroudsburg	254	254	260	257	258	263	10.4	10.7	11.1	10.9	10.9	10.9	1.0	.9	.9	1.0	1.1	1.0
Edinboro	388	401	383	375	373	363	12.5	12.8	12.3	12.5	12.8	12.8	.7	.6	.7	.6	.8	.9
Indiana	698	697	702	692	712	715	10.5	10.0	9.9	10.2	9.8	9.8	1.3	1.2	1.2	1.3	1.4	1.3
Kutztown	380	345	345	352	358	357	11.2	11.4	11.5	11.5	11.4	11.4	.7	.6	.6	.5	.5	.7
Lock Haven	193	203	205	200	200	202	12.2	12.0	12.5	11.8	11.5	11.8	a	a	.1	.1	.1	.1
Mansfield	172	171	171	175	174	176	11.8	10.9	10.5	10.8	11.2	10.6	.5	.5	.3	.4	.4	.3
Millersville <sup>3</sup>	328	330	290	294	305	332	11.1	11.4	10.8	11.2	11.6	10.3	.6	.6	.8	.7	1.0	.9
Shippensburg	310	312	310	311	317	312	9.6	9.7	9.7	9.5	9.4	10.4	.9	.9	.9	.9	.9	1.0
Slippery Rock	368	373	366	383	378	378	10.9	10.8	11.0	11.0	10.8	10.4	.7	.8	.7	.7	.7	.7
West Chester	433	543	548	540	538	541	10.2	10.4	10.6	10.8	10.8	10.6	1.6	1.6	1.6	1.6	1.5	1.5
Total	4,613	4,681	4,683	4,644	4,679	4,727	10.8	10.8	10.8	10.8	10.9	10.8	.9	.9	.9	.9	1.0	1.0
All universities	10,512	10,627	10,593	10,547	10,612	10,617	7.9	7.9	7.9	7.9	7.9	8.0	1.8	1.8	2.0	2.0	2.1	2.1

1. Average calculated using the full-time employed faculty in the fall term who reported a complete workweek of 100 hours or less.

2. The number of full-time employed faculty represents those reported by each university for the fall term; sabbatical and other on-leave faculty are not included. West Chester: for 1990 based on the academic year; for 1991 to 1995 based on the fall term.

3. In Fall 1995 there were changes in definitions and procedures used to gather workweek data making prior years noncomparable.

a. The graduate level was not included prior to Fall 1992.

na. Not applicable.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Historical Table 5

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK<sup>1</sup>  
 1990-91 to 1995-96  
 (Dollars in thousands)

University	FTE instructional faculty	Average instructional salaries					Instructor	No rank <sup>2</sup>
		All faculty	Professor	Associate professor	Assistant professor			
<b>State-related</b>								
<b>Lincoln</b>								
1990-91	109	23.5	32.6	29.1	22.0	17.4	19.5	
1991-92	110	25.7	36.0	31.2	24.7	19.3	18.7	
1992-93	95	29.8	37.7	33.9	28.3	23.6	25.6	
1993-94	98	31.8	43.9	34.6	28.9	28.3	25.4	
1994-95	99	33.0	47.4	37.8	29.6	27.1	25.0	
1995-96	104	33.7	47.3	40.0	31.2	26.9	27.3	
<b>Penn State</b>								
1990-91	3,426	37.7	62.5	44.8	36.8	27.6	25.6	
1991-92	3,471	38.8	63.6	47.0	38.0	27.2	25.9	
1992-93	3,456	40.0	66.3	48.0	39.1	28.4	26.6	
1993-94	3,445	42.7	69.0	49.8	41.2	33.7	28.4	
1994-95	3,395	43.9	71.5	51.6	41.7	32.5	29.5	
1995-96	3,482	45.1	75.4	52.6	42.6	32.7	30.4	
<b>Pittsburgh</b>								
1990-91	1,739	37.7	58.5	41.6	32.9	21.0	28.6	
1991-92	1,767	40.3	62.9	44.4	35.3	23.2	30.6	
1992-93	1,877	41.5	65.1	45.3	36.2	24.6	31.8	
1993-94	1,838	42.8	67.1	47.9	37.1	25.1	32.6	
1994-95	1,865	43.9	70.3	48.1	38.4	25.7	33.0	
1995-96	1,907	43.8	70.6	48.4	37.6	25.1	32.9	
<b>Temple</b>								
1990-91	1,509	32.8	48.0	37.8	32.6	19.0	21.2	
1991-92	1,545	36.1	55.1	42.6	34.7	19.2	21.5	
1992-93	1,532	38.2	58.5	45.7	36.9	19.1	21.3	
1993-94	1,504	39.7	61.9	48.3	38.3	21.6	19.5	
1994-95	1,537	42.4	66.4	51.9	40.2	20.9	20.4	
1995-96	1,445	45.4	70.4	54.7	38.7	21.9	20.6	
<b>State-owned</b>								
<b>Bloomsburg</b>								
1990-91	374	41.8	52.2	43.2	35.0	26.1	na	
1991-92	385	42.0	53.8	43.2	34.9	27.9	na	
1992-93	389	43.3	56.0	45.1	35.7	28.6	na	
1993-94	393	47.5	61.2	49.1	39.3	31.2	na	
1994-95	389	50.2	63.8	51.9	40.6	32.5	na	
1995-96	392	52.4	66.1	53.4	42.0	31.8	61.8	
<b>California</b>								
1990-91	319	39.2	50.2	42.3	32.3	21.3	28.0	
1991-92	306	44.6	56.7	46.8	36.5	27.8	77.9	
1992-93	309	45.3	59.8	47.7	37.6	24.0	45.9	
1993-94	280	53.4	64.6	55.1	43.6	33.9	32.8	
1994-95	284	52.7	66.0	53.2	44.1	26.4	40.9	
1995-96	285	54.7	68.6	56.4	44.0	26.9	47.2	
<b>Cheyney</b>								
1990-91	91	46.3	53.4	44.2	37.1	32.8	41.3	
1991-92	85	47.5	56.8	46.2	39.9	30.9	na	
1992-93	87	46.8	58.1	45.6	40.1	37.5	31.6	
1993-94	95	46.3	57.0	44.1	40.8	33.1	na	
1994-95	93	49.8	60.8	47.8	44.3	39.3	10.4	
1995-96	96	52.9	69.2	54.1	43.1	34.0	0	
<b>Clarion</b>								
1990-91	354	40.4	51.4	42.0	33.2	25.8	18.8	
1991-92	348	43.3	54.4	44.2	35.9	28.0	34.2	
1992-93	333	45.6	58.8	47.4	37.8	28.0	39.4	
1993-94	329	49.8	63.7	52.2	40.6	28.6	56.7	
1994-95	330	51.1	66.2	53.5	42.5	29.4	24.9	
1995-96	327	53.4	68.4	56.1	43.1	32.7	na	
<b>East Stroudsburg</b>								
1990-91	285	39.1	47.4	38.6	30.8	27.0	na	
1991-92	284	41.0	50.4	40.2	32.0	25.7	na	
1992-93	294	44.1	54.9	43.9	33.6	25.9	na	
1993-94	292	47.7	57.9	49.6	38.0	17.2	na	
1994-95	293	49.9	60.4	51.1	40.2	20.4	na	
1995-96	302	51.5	63.4	52.5	42.0	20.2	na	
<b>Edinboro</b>								
1990-91	426	38.4	48.6	39.6	31.0	24.6	na	
1991-92	437	40.3	51.7	42.2	33.3	26.7	na	
1992-93	416	44.4	56.8	46.3	36.6	29.7	na	
1993-94	416	47.4	60.9	49.1	39.3	31.6	na	
1994-95	409	49.9	64.5	51.4	41.3	33.9	na	
1995-96	401	51.3	65.3	51.7	43.4	34.5	19.0	
<b>Indiana</b>								
1990-91	697	41.0	50.1	41.0	33.2	26.8	61.2	
1991-92	704	44.2	54.5	44.7	36.2	25.8	28.7	
1992-93	713	46.3	56.2	47.4	38.8	26.5	26.3	
1993-94	721	50.4	62.1	50.4	41.0	30.8	28.3	

1994-95	726	52.3	64.9	52.6	42.5	31.6	29.2
1995-96	701	55.3	67.9	55.2	44.7	35.4	29.7
Kutztown							
1990-91	366	41.8	53.1	42.9	34.6	26.5	61.0
1991-92	378	43.4	55.5	44.9	36.9	27.7	73.2
1992-93	363	47.9	59.6	48.5	38.5	29.8	71.3
1993-94	367	50.9	64.5	51.9	41.3	30.6	72.1
1994-95	373	52.6	67.1	54.7	42.2	30.3	73.4
1995-96	371	55.0	70.6	56.6	43.9	31.2	57.7
Lock Haven							
1990-91	188	40.3	53.2	42.2	33.1	23.8	22.0
1991-92	199	43.2	58.7	47.3	35.2	27.9	14.4
1992-93	194	44.6	60.8	49.4	37.5	31.4	0.0
1993-94	185	49.3	65.5	53.4	42.4	35.0	0.0
1994-95	183	51.4	67.8	55.6	43.5	35.5	11.2
1995-96	181	52.9	68.9	59.1	43.2	36.0	36.0
Mansfield							
1990-91	170	40.5	51.6	42.2	34.9	21.3	na
1991-92	176	42.5	55.0	44.6	36.6	26.6	na
1992-93	175	46.7	61.8	49.9	40.2	27.7	na
1993-94	181	49.1	64.4	52.0	41.5	29.5	na
1994-95	184	51.4	67.7	55.0	44.1	30.0	na
1995-96	177	54.6	70.6	57.5	45.2	30.3	na
Millersville							
1990-91	372	40.2	51.0	42.8	33.4	24.4	na
1991-92	366	43.0	55.1	45.3	36.9	24.9	na
1992-93	355	47.2	60.7	49.6	38.6	26.3	30.7
1993-94	361	50.8	64.6	52.7	41.9	27.3	na
1994-95	394	50.9	63.8	53.4	41.5	28.7	na
1995-96	407	51.7	65.9	53.7	41.6	29.8	na
Shippensburg							
1990-91	313	44.3	51.2	41.8	34.6	26.4	na
1991-92	315	46.5	54.2	43.9	35.6	27.1	na
1992-93	311	49.9	58.8	48.0	38.2	29.1	30.2
1993-94	304	54.1	64.3	52.7	41.5	31.4	na
1994-95	307	55.9	67.8	55.4	42.4	31.6	na
1995-96	309	57.6	70.1	58.3	44.2	32.4	na
Slippery Rock							
1990-91	397	39.8	50.1	39.1	33.2	27.7	6.4
1991-92	389	42.1	52.1	42.4	34.5	28.6	48.1
1992-93	384	47.3	58.4	45.9	39.4	33.9	68.3
1993-94	381	49.7	61.7	49.0	40.5	31.8	6.8
1994-95	380	52.8	64.9	51.9	42.7	35.3	92.2
1995-96	371	54.5	67.1	54.7	44.2	36.0	0
West Chester							
1990-91	572	40.2	53.9	43.7	33.7	23.6	56.2
1991-92	576	43.5	58.7	47.9	36.6	26.6	27.7
1992-93	576	45.0	60.8	49.8	38.9	26.6	18.0
1993-94	571	49.4	66.0	54.4	43.5	28.9	13.3
1994-95	560	49.0	64.4	54.7	43.1	29.4	28.4
1995-96	577	50.0	67.1	55.1	44.3	30.1	34.4

1. Average instructional salaries are calculated by dividing the total instructional salaries paid to all staff members in the respective ranks by their total full-time equivalency in the instructional function. One full-time equivalent faculty represents one full-time workload for two terms (one academic year). The summer term is treated as one term or one-half of the academic year. Data for each year represent the summer term preceding the academic year plus the academic year.

2. The full-time equivalency of nonranked faculty members is based on the time spent in instruction by all nonranked personnel, including lecturers, administrators, librarians, research staff, graduate assistants and volunteers.

na. Not applicable.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Historical Table 6

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL<sup>1</sup>  
1990-91 to 1995-96

University	Lower division						Upper division						Total undergraduate						Master's					
	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
State-related																								
Lincoln	\$1,496	\$1,487	\$1,533	\$1,843	\$2,028	\$1,910	\$3,025	\$3,013	\$2,719	\$3,005	\$3,268	\$3,573	\$1,852	\$1,838	\$1,821	\$2,146	\$2,367	\$2,323	\$1,160	\$1,788	\$2,062	\$1,698	\$1,928	\$1,893
Penn State	1,196	1,286	1,328	1,439	1,488	1,454	2,095	2,131	2,283	2,518	2,600	2,691	1,524	1,598	1,670	1,844	1,895	1,881	3,135	3,299	3,362	3,791	4,156	4,218
Pittsburgh	1,216	1,356	1,491	1,536	1,567	1,709	2,140	2,230	2,580	2,856	3,025	2,964	1,518	1,650	1,858	1,985	2,063	2,132	4,173	4,539	4,476	4,461	4,769	5,213
Temple	1,283	1,312	1,454	1,510	1,656	1,733	1,785	1,902	2,108	2,258	2,470	2,533	1,537	1,621	1,805	1,902	2,079	2,155	2,541	2,642	2,994	2,862	3,198	3,392
Total	1,218	1,310	1,388	1,479	1,540	1,556	2,032	2,097	2,296	2,520	2,653	2,709	1,529	1,617	1,739	1,890	1,973	1,990	3,370	3,602	3,706	3,759	4,096	4,336
State-owned																								
Bloomsburg	1,758	1,745	1,851	2,119	2,243	2,298	2,986	3,029	2,971	3,385	3,747	4,069	2,118	2,135	2,206	2,518	2,717	2,843	2,631	2,891	3,687	4,188	3,763	4,062
California	1,585	1,702	1,790	2,000	2,041	2,243	2,470	2,768	3,095	3,365	3,488	3,872	1,882	2,032	2,198	2,426	2,491	2,713	3,320	3,535	3,151	3,580	3,422	3,353
Cheyney	2,604	2,680	2,521	2,725	3,206	3,349	3,860	3,891	4,126	4,639	5,172	5,977	2,953	3,021	2,916	3,230	3,776	4,057	2,215	2,389	2,477	2,489	2,892	3,036
Clarion	1,742	1,906	2,034	2,309	2,308	2,351	3,391	3,659	3,603	4,072	4,610	4,760	2,224	2,433	2,510	2,843	2,997	3,062	3,126	3,467	3,966	4,038	5,347	4,907
East Stroudsburg	1,694	1,792	2,039	2,162	2,251	2,438	3,202	3,394	3,605	3,825	3,963	4,305	2,093	2,224	2,484	2,661	2,760	2,937	1,898	2,003	2,338	2,534	2,649	3,066
Edinboro	1,740	1,800	1,879	2,058	2,288	2,354	2,930	3,230	3,289	3,833	4,001	4,113	2,072	2,222	2,317	2,613	2,826	2,934	3,780	3,713	4,198	4,485	4,508	3,999
Indiana	1,453	1,482	1,649	1,919	1,959	2,134	2,834	3,043	3,207	3,623	4,134	4,531	1,877	1,991	2,173	2,489	2,667	2,900	4,150	4,385	4,972	5,213	5,808	5,942
Kutztown	1,536	1,687	1,849	1,954	1,972	2,136	3,228	3,250	3,458	3,924	4,250	4,473	2,098	2,227	2,435	2,655	2,747	2,937	2,924	3,510	3,783	3,851	4,210	4,219
Lock Haven	1,705	1,906	1,955	2,019	2,131	2,335	3,322	3,675	3,404	3,846	4,054	4,238	2,157	2,392	2,344	2,568	2,719	2,924	a	a	9,969	12,262	5,611	13,512
Mansfield	1,582	1,683	1,822	1,811	2,164	2,243	3,696	3,816	4,098	4,547	4,940	5,153	2,176	2,329	2,537	2,821	3,222	3,385	3,169	3,039	3,482	3,829	4,148	4,610
Millersville	1,722	1,934	2,036	2,429	2,554	2,591	2,934	2,901	3,123	3,341	3,548	3,732	2,075	2,236	2,406	2,732	2,912	3,010	2,387	2,481	2,542	3,397	3,545	3,272
Shippensburg	1,884	1,940	2,004	2,243	2,277	2,358	2,963	3,048	3,611	3,894	4,076	4,305	2,181	2,252	2,471	2,705	2,788	2,899	3,787	3,620	3,348	3,333	3,929	3,759
Slippery Rock	1,723	1,782	2,009	2,144	2,385	2,380	3,240	3,101	3,499	3,764	3,987	4,120	2,120	2,166	2,456	2,626	2,854	2,897	2,266	2,369	2,624	2,824	2,973	3,244
West Chester	1,825	1,953	2,117	2,319	2,315	2,426	2,708	2,951	3,081	3,433	3,551	3,741	2,118	2,296	2,456	2,723	2,756	2,885	3,270	3,761	3,653	4,484	4,099	4,228
Total	1,692	1,786	1,922	2,127	2,225	2,337	3,005	3,157	3,328	3,712	3,992	4,240	2,083	2,210	2,370	2,638	2,794	2,943	3,053	3,279	3,496	3,797	3,952	3,974
All universities	1,452	1,544	1,648	1,796	1,872	1,923	2,421	2,524	2,722	3,009	3,204	3,333	1,785	1,890	2,030	2,234	2,349	2,417	3,247	3,478	3,629	3,773	4,045	4,205

1. The average instructional faculty salary cost per full-time equivalent student for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by total full-time equivalent students for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

a. The master's level was not included prior to 1992-93.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Historical Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER STUDENT CREDIT HOUR BY ACADEMIC DIVISION AND LEVEL<sup>1</sup>  
1990-91 to 1995-96

University	Lower division						Upper division						Total undergraduate						Master's					
	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
State-related																								
Lincoln	\$50	\$50	\$51	\$61	\$68	\$64	\$101	\$100	\$91	\$100	\$109	\$119	\$62	\$61	\$61	\$72	\$79	\$77	\$48	\$74	\$86	\$71	\$80	\$79
Penn State	40	43	44	48	50	48	70	71	76	84	87	90	51	53	56	61	63	63	131	137	140	158	173	176
Pittsburgh	41	45	50	51	52	57	71	74	86	95	101	99	51	55	62	66	69	71	174	189	187	186	199	217
Temple	43	44	48	50	55	58	60	63	70	75	82	84	51	54	60	64	69	72	106	110	125	119	133	141
Total	41	44	46	49	51	52	68	70	77	84	88	90	51	54	58	63	66	66	140	150	154	157	171	181
State-owned																								
Bloomsburg	59	58	62	71	75	77	100	101	99	113	125	136	71	71	74	84	91	95	110	120	154	174	157	169
California	53	57	60	67	68	75	82	92	103	112	116	129	63	68	73	81	83	90	138	147	131	149	143	140
Cheyney	87	89	84	91	107	112	129	130	137	155	172	199	98	101	97	108	126	135	92	100	103	104	121	126
Clarion	58	64	68	77	77	78	113	122	120	136	154	159	74	81	84	95	100	102	130	144	165	168	223	204
East Stroudsburg	56	60	68	72	75	81	107	113	120	127	132	144	70	74	83	89	92	98	79	83	97	106	110	128
Edinboro	58	60	63	69	76	78	98	108	110	128	133	137	69	74	77	87	94	98	156	155	175	187	188	167
Indiana	48	49	55	64	65	71	94	101	107	121	138	151	63	66	72	83	89	97	173	183	207	217	242	248
Kutztown	51	56	62	65	66	71	108	108	115	131	142	149	70	74	81	89	92	98	122	146	158	160	175	176
Lock Haven	57	64	65	67	71	78	111	123	113	128	135	141	72	80	78	86	91	97	a	a	415	511	234	563
Mansfield	53	56	61	60	72	75	123	127	137	152	165	172	72	78	85	94	107	113	132	127	145	160	173	192
Millersville	57	64	68	81	85	86	98	97	104	111	118	124	69	75	80	91	97	100	100	103	106	142	148	136
Shippensburg	63	65	67	75	76	79	99	102	120	130	136	143	73	75	82	90	93	97	158	151	139	139	164	157
Slippery Rock	57	59	67	71	80	79	108	103	117	125	133	137	71	72	82	88	95	97	95	99	109	118	124	135
West Chester	61	65	71	77	77	81	90	98	103	114	118	125	71	77	82	91	92	96	136	157	152	187	171	176
Total	56	60	64	71	74	78	100	105	111	124	133	141	69	74	79	88	93	98	127	137	146	158	165	166
All universities	48	51	55	60	62	64	81	84	91	100	107	111	59	63	68	74	78	81	135	145	151	157	169	175

1. The average instructional faculty salary cost per student credit hour for each level is calculated as follows: the instructional salary for each rank is assigned by level according to the percentage distribution of the course (assigned) credits within each rank. The salary for each rank is summed by level and divided by the total student credit-hour production for that level. For individual instruction, one course (assigned) credit is attributed to every three student credit hours generated. Instructional faculty salary cost per student credit hour equals instructional faculty salary cost per FTE student divided by 30 for undergraduate students, and divided by 24 for graduate students (see Historical Table 6).

a. The master's level was not included prior to 1992-93.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Historical Table 8

AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL<sup>1</sup>  
1990-91 to 1995-96

University	Lower division						Upper division						Total undergraduate						Master's					
	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
State-related																								
Lincoln	22	23	24	21	20	21	13	13	15	14	13	13	19	20	21	19	18	18	16	14	14	16	14	15
Penn State	31	31	31	30	30	31	28	29	27	27	26	26	30	30	30	29	29	29	14	14	14	14	14	14
Pittsburgh	30	31	31	29	29	29	25	28	27	26	24	24	28	30	29	28	27	27	17	18	19	18	18	17
Temple	26	27	27	27	26	28	24	25	24	23	22	23	25	26	25	25	24	25	15	16	16	16	15	15
Total	30	30	30	29	29	30	26	27	26	25	24	24	28	29	28	28	27	27	15	16	16	16	16	16
State-owned																								
Bloomsburg	26	25	25	23	23	23	18	18	18	17	16	15	23	23	22	21	20	20	13	13	11	10	11	11
California	28	29	29	31	31	29	19	18	18	19	18	17	24	25	24	26	25	24	11	11	13	13	14	14
Cheyney	21	22	23	22	19	19	15	15	14	12	12	11	19	20	20	18	16	16	19	18	18	17	15	14
Clarion	34	33	33	32	32	33	16	15	17	17	15	15	25	25	26	25	24	24	13	12	13	14	11	12
East Stroudsburg	28	28	27	27	28	28	17	17	17	18	18	19	24	24	23	24	24	25	23	23	19	18	19	17
Edinboro	27	26	28	26	26	26	16	17	18	17	17	17	23	23	24	23	22	23	9	10	10	9	10	10
Indiana	32	32	30	29	29	28	17	17	17	16	15	14	25	25	24	23	22	21	9	10	10	9	10	9
Kutztown	29	28	28	28	29	28	16	16	17	16	15	15	23	23	23	22	22	22	13	13	12	13	12	13
Lock Haven	28	27	28	29	28	28	12	12	17	13	17	20	20	20	24	21	24	25	a	a	4	3	15	b
Mansfield	28	27	27	28	26	26	10	9	10	9	8	9	18	17	17	16	14	15	9	9	9	8	8	8
Millersville <sup>2</sup>	23	25	26	25	25	26	14	17	17	19	19	19	19	22	22	22	23	23	13	14	14	14	13	14
Shippensburg	28	29	28	28	28	28	20	21	16	16	17	16	25	26	23	23	23	23	13	14	14	15	14	15
Slippery Rock	30	31	31	31	30	31	16	17	16	16	16	16	25	25	25	24	24	24	18	18	17	17	18	16
West Chester	24	24	24	23	23	24	16	16	15	15	14	14	20	20	20	19	19	19	12	11	12	10	10	11
Total	28	28	28	27	27	27	16	16	16	16	15	15	23	23	23	22	22	22	12	13	13	12	12	12
All universities	29	29	29	28	28	28	21	21	21	20	20	20	25	26	25	25	24	24	14	14	15	14	14	14

1. Average class size for each level is calculated by dividing total classroom student credit hours by total classroom course (assigned) credits.  
 2. Class sizes for upper division and total undergraduate after 1991-92 are not comparable with those for previous years because of a change in reporting student teaching.  
 a. The master's level was not included prior to 1992-93.  
 b. No classroom instruction.

SOURCE: Data provided by the individual universities, 1991 to 1996.

Historical Table 9

COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS<sup>1</sup>  
1990-91 to 1995-96  
(in millions)

University	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96
<b>State-related</b>						
Lincoln	\$9.0	\$9.3	\$9.3	\$9.4	\$9.6	\$9.7
Penn State	181.1	189.3	189.3	198.5	207.6	214.7
Pittsburgh <sup>2</sup>	115.1	119.3	119.3	123.4	127.6	130.9
Temple	123.3	128.1	128.1	131.6	134.5	137.3
<b>Total</b>	<b>428.5</b>	<b>446.0</b>	<b>446.0</b>	<b>462.9</b>	<b>479.3</b>	<b>492.6</b>
<b>State-owned</b>						
Bloomsburg	26.3	28.3	27.3	28.5	29.6	29.9
California	22.6	24.3	23.4	24.5	25.4	27.6
Cheyney	12.5	12.8	12.3	12.5	12.7	12.9
Clarion	23.8	25.6	24.7	25.8	26.8	28.5
East Stroudsburg	19.1	20.6	19.9	20.6	21.4	20.3
Edinboro	24.4	26.3	25.4	26.6	27.6	28.8
Indiana	47.4	51.0	49.3	51.7	53.7	56.8
Kutztown	25.1	27.1	26.1	27.2	28.3	28.9
Lock Haven	14.3	15.4	14.9	15.5	16.1	16.8
Mansfield	13.9	15.1	14.6	15.0	15.6	15.9
Millersville	26.5	28.6	27.6	28.7	29.8	31.1
Shippensburg	23.0	24.8	23.9	25.0	25.9	26.7
Slippery Rock	26.2	28.3	27.3	28.4	29.6	30.8
West Chester	36.4	39.3	37.9	39.3	40.9	38.8
<b>Total<sup>3</sup></b>	<b>341.5</b>	<b>367.5</b>	<b>354.6</b>	<b>369.3</b>	<b>383.4</b>	<b>393.8</b>
<b>All universities<sup>3</sup></b>	<b>770.0</b>	<b>813.5</b>	<b>800.6</b>	<b>832.2</b>	<b>862.7</b>	<b>886.4</b>

1. Instructional appropriations include educational and general appropriations and, except for 1991-92 and 1992-93, Tuition Challenge Grants. Excludes medical school data.

2. Includes instructional appropriations for branch campuses - Bradford, Johnstown and Titusville.

3. Excludes amount of instructional appropriation allocated to Office of the Chancellor, McKeever Center, Faculty Professional Development, University Center and System Reserve of the State System of Higher Education.

SOURCE: *Governor's Executive Budget*, 1992-93 to 1996-97, State System of Higher Education, Commonwealth of Pennsylvania, 1991 to 1996; and individual State-related universities, 1992 to 1996.

Historical Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS  
BY ACADEMIC LEVEL AND RESIDENCE  
1990-91 to 1995-96

University	Undergraduate		Graduate <sup>1</sup>	
	In-State	Out-of-State	In-State	Out-of-State
<b>State-related</b>				
<b>Lincoln</b>				
1990-91	2,510	3,730	3,500	5,200
1991-92	2,710	4,030	4,175	5,975
1992-93	2,960	4,380	4,375	6,275
1993-94	3,140	4,900	4,800	6,900
1994-95	3,495	5,618	4,893	7,633
1995-96	3,956	6,144	5,289	8,499
<b>Penn State</b>				
<b>Main Campus</b>				
1990-91	4,048	8,444	4,520	8,960
1991-92	4,402	9,188	4,916	9,762
1992-93	4,618	9,644	5,158	10,246
1993-94	4,822	10,800	5,386	10,806
1994-95	5,036	10,724	5,624	11,396
1995-96	5,258	11,310	5,872	12,018
<b>Pittsburgh</b>				
<b>Main Campus</b>				
1990-91	4,314	8,886	5,526	10,836
1991-92	4,666	9,516	6,166	12,006
1992-93	4,922	10,066	6,516	12,706
1993-94	5,186	10,708	6,854	13,510
1994-95	5,416	11,240	7,150	14,172
1995-96	5,638	11,724	7,454	14,792
<b>Temple</b>				
1990-91	4,354	7,952	5,040	6,312
1991-92	4,756	8,696	5,736	7,152
1992-93	5,008	9,222	5,828	7,340
1993-94	5,226	9,802	6,068	8,132
1994-95	5,464	10,246	6,342	8,934
1995-96	5,514	10,296	6,656	9,368
<b>State-owned</b>				
<b>Bloomsburg</b>				
1990-91	2,518	4,552	2,408	3,014
1991-92	2,968	5,232	2,858	3,584
1992-93	3,068	6,462	2,958	4,426
1993-94	3,458	7,856	3,338	5,580
1994-95	3,694	8,452	3,574	6,032
1995-96	3,915	8,889	3,783	6,353
<b>California</b>				
1990-91	2,648	4,682	2,648	3,254
1991-92	3,128	5,392	2,900	3,626
1992-93	3,384	6,778	3,258	4,726
1993-94	3,760	8,158	3,608	5,850
1994-95	3,902	8,660	3,804	6,262
1995-96	4,136	9,110	4,038	6,608
<b>Cheyney</b>				
1990-91	2,488	4,522	2,383	2,989
1991-92	2,838	5,102	2,733	3,459
1992-93	2,938	6,332	2,833	4,301
1993-94	3,319	7,717	3,184	5,426
1994-95	3,591	8,349	3,411	5,869
1995-96	3,729	8,703	3,604	6,174
<b>Clarion</b>				
1990-91	2,661	4,787	2,541	3,169
1991-92	3,147	5,500	3,079	3,836
1992-93	3,328	6,830	3,253	4,809
1993-94	3,710	8,108	3,636	5,878
1994-95	3,879	8,637	3,799	6,257
1995-96	4,054	9,028	3,970	6,540
<b>East Stroudsburg</b>				
1990-91	2,642	4,676	2,502	3,108
1991-92	3,088	5,352	2,934	3,660
1992-93	3,352	6,746	3,196	4,662
1993-94	3,664	8,062	3,520	5,762
1994-95	3,844	8,602	3,690	6,148
1995-96	4,016	8,990	3,862	6,432
<b>Edinboro</b>				
1990-91	2,590	4,624	2,572	3,178
1991-92	3,013	5,277	2,995	3,721
1992-93	3,161	6,555	3,131	4,599
1993-94	3,531	7,929	3,531	5,773
1994-95	3,685	8,443	3,685	6,143
1995-96	3,924	8,898	3,924	6,694
<b>Indiana</b>				
1990-91	2,604	4,638	2,520	3,126
1991-92	3,055	5,319	2,971	3,697
1992-93	3,157	6,551	2,969	4,437



1993-94	3,539	7,937	3,455	5,697
1994-95	3,725	8,483	3,620	6,078
1995-96	3,891	8,865	3,787	6,357
Kutztown				
1990-91	2,480	4,514	2,350	2,956
1991-92	3,022	5,342	2,772	3,516
1992-93	3,160	6,639	2,880	4,385
1993-94	3,558	8,285	3,428	5,838
1994-95	3,699	8,535	3,569	6,105
1995-96	3,940	8,914	3,810	6,380
Lock Haven				
1990-91	2,468	4,502	a	a
1991-92	3,020	5,397	a	a
1992-93	3,261	6,655	3,261	4,729
1993-94	3,509	7,907	3,509	5,751
1994-95	3,662	8,896	3,662	6,366
1995-96	3,822	8,796	3,822	6,392
Mansfield				
1990-91	2,587	4,621	2,452	3,058
1991-92	2,947	5,211	2,812	3,538
1992-93	3,168	6,562	3,028	4,496
1993-94	3,440	7,838	3,300	5,542
1994-95	3,624	8,382	3,464	5,922
1995-96	3,804	8,778	3,624	6,194
Millersville				
1990-91	2,636	4,670	2,636	3,242
1991-92	3,100	5,364	3,100	3,826
1992-93	3,488	6,882	3,488	4,956
1993-94	3,750	8,148	3,750	5,992
1994-95	3,920	8,678	3,920	6,378
1995-96	4,100	9,074	4,100	6,670
Shippensburg				
1990-91	2,694	4,728	2,588	3,194
1991-92	3,108	5,372	2,978	3,704
1992-93	3,388	6,782	3,258	4,726
1993-94	3,710	8,108	3,550	5,792
1994-95	3,856	8,614	3,696	6,154
1995-96	4,010	8,984	3,850	6,420
Slippery Rock				
1990-91	2,554	4,588	2,554	3,160
1991-92	3,045	5,423	3,045	3,808
1992-93	3,287	6,681	3,287	4,755
1993-94	3,547	7,945	3,547	5,789
1994-95	3,836	8,594	3,836	6,294
1995-96	4,013	8,987	4,013	6,583
West Chester				
1990-91	2,398	4,432	2,398	3,004
1991-92	2,918	5,182	2,918	3,644
1992-93	3,158	6,522	3,040	4,508
1993-94	3,504	7,902	3,366	5,608
1994-95	3,646	8,404	3,528	5,986
1995-96	3,874	8,848	3,756	6,326

1. Excludes first-professional level.

a. The graduate level was not included prior to 1992-93.

SOURCE: Pennsylvania Department of Education, *Colleges and Universities-Basic Student Charges*, 1990-91 to 1995-96.



## APPENDIX: MODEL OF FTE SALARY COST DETERMINATION

Instructional faculty salary cost per student credit hour, for each academic level and each program area, can be expressed by the following model:

$$\begin{array}{r}
 \text{FTE} \\
 \text{Instructional} \\
 \\
 \text{faculty} \\
 \text{salaries} \\
 \text{Student} \\
 \text{credit hours}
 \end{array}
 \times
 \begin{array}{r}
 \text{Number of FTE} \\
 \text{instructional faculty} \\
 \\
 \text{Number} \\
 \text{of} \\
 \text{courses}
 \end{array}
 \times
 \begin{array}{r}
 \text{Average} \\
 \text{course} \\
 \text{(assigned)} \\
 \text{credit} \\
 \text{value}
 \end{array}
 \times
 \begin{array}{r}
 \text{Average FTE instructional} \\
 \text{faculty salary} \\
 \\
 \text{Average} \\
 \text{class} \\
 \text{(section)} \\
 \text{size}
 \end{array}
 \times
 \begin{array}{r}
 \text{Number} \\
 \text{of classes} \\
 \text{(sections)} \\
 \text{Number} \\
 \text{of courses}
 \end{array}$$

The two terms on the right-hand side of this equation illustrate the two different kinds of factors which determine FTE instructional salary cost.

The components of the first term are approximately *constants or constant relationships*. In the short run, neither the number of faculty per course nor the number of faculty per average course (assigned) credit value can be readily varied to influence FTE instructional salary cost.

The second term contains *control variables*: average FTE instructional faculty salary, average class (section) size, and the number of classes (sections) per course. To at least some degree, each of these variables can be controlled by university administrators to affect FTE instructional salary cost. Adjustments in the number of classes (sections) per course are an alternative to permitting average class sizes to change with changes in enrollment.

Average instructional faculty salary cost per FTE student, or FTE instructional salary cost, equals the FTE instructional salary cost per student credit hour times 30 for undergraduate students, and times 24 for graduate students.

This model serves as the basis for the regression analysis performed by the Commission staff (see page 5).