

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

**Analysis of 1994-95 Data
Reported Under 1994 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 1996**

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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

This 23rd 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 1994-95 and data trends for 1989-90 to 1994-95 are presented. 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,
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CONTENTS

STATE-RELATED AND STATE-OWNED UNIVERSITIES AND BRANCH CAMPUSES (WITH COUNTIES)	iv
FOREWORD	v
I. DATA HIGHLIGHTS	1
II. CURRENT-YEAR DATA TABLES	
1. Full-Time Equivalent Students by Academic Level	11
2. Full-Time Equivalent Students by Academic Division and Level	12
3A. Lincoln University - Number and Percentage Distribution of Full-Time Equivalent Students	13
3B. Pennsylvania State University - Number and Percentage Distribution of Full-Time Equivalent Students	14
3C. University of Pittsburgh - Number and Percentage Distribution of Full-Time Equivalent Students	15
3D. Temple University - Number and Percentage Distribution of Full-Time Equivalent Students	16

3E.	State-Owned Universities - Number and Percentage Distribution of Full-Time Equivalent Students	17
4.	Degrees Conferred	18
5.	Number and Workweeks of Full-Time Employed Faculty by Type of Activity	19
6.	Number and Average Instructional Salaries of Full-Time Equivalent Instructional Faculty and Percentage Distribution by Rank	20
7.	Average Instructional Faculty Salary Cost Per Full-Time Equivalent Student by Academic Division and Level	21
8A.	Lincoln University - Average Instructional Faculty Salary Cost per Full-Time Equivalent Student	22
8B.	Pennsylvania State University - Average Instructional Faculty Salary Cost per Full-Time Equivalent Student	23
8C.	University of Pittsburgh - Average Instructional Faculty Salary Cost per Full-Time Equivalent Student	24
8D.	Temple University - Average Instructional Faculty Salary Cost per Full-Time Equivalent Student	25
8E.	State-Owned Universities - Average Instructional Faculty Salary Cost per Full-Time Equivalent Student	26
9.	Average Class Sizes in Classroom Instruction by Academic Division and Level	27
10.	Academic Year Tuition and Required Fees for Full-Time Students by Academic Level and Residence	28
11.	Tuition and Fee Revenues Related to Full-Time Equivalent Students	29

12.	Commonwealth Instructional Appropriations Related to Full-Time Equivalent Students	30
13.	Tuition and Fee Revenues, Commonwealth Instructional Appropriations and Student Aid per Full-Time Equivalent Student	31

III. HISTORICAL DATA

TABLES

1.	Full-Time Equivalent Students by Academic Level	35
2.	Student Credit Hours by Academic Division and Level	36
3.	Degrees Conferred	38
4.	Number and Average Weekly Student Contact Hours of Full-Time Employed Faculty by Academic Level	39
5.	Number and Average Instructional Salaries of Full-Time Equivalent Instructional Faculty by Rank ..	40
6.	Average Instructional Faculty Salary Cost Per Full-Time Equivalent Student by Academic Division and Level	42
7.	Average Instructional Faculty Salary Cost Per Student Credit Hour by Academic Division and Level	43
8.	Average Class Sizes in Classroom Instruction by Academic Division and Level	44
9.	Commonwealth Instructional Appropriations	45
10.	Academic Year Tuition and Required Fees for Full-Time Students	46

APPENDIX: MODEL OF FTE SALARY COST DETERMINATION	49
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I. DATA HIGHLIGHTS

1. In Fall 1994, a total of 571,887 full- and part-time students were enrolled in the 145 public and private colleges and universities in Pennsylvania. Of this total, 227,067 students (40 percent) were enrolled in the Commonwealth's public universities: 132,407 students (23 percent) in the 4 State-related universities, and 94,660 (17 percent) in the 14 State-owned universities. The main and branch campuses of Pennsylvania's public universities are listed on page iv. Compared to Fall 1993, overall student enrollments in all of Pennsylvania's colleges and universities decreased by 1.5 percent, and in the Commonwealth's public universities by 1.2 percent.¹
2. During the 1994-95 school year,² over 5.9 million undergraduate and graduate student credit hours (SCH) were generated by the public universities. These SCH were the equivalent of 202,856 full-time students: 115,866 full-time equivalent (FTE) students (57 percent) for the State-related universities, and 86,990 (43 percent) for the State-owned universities.³ (Table 1) FTE students at the State-related universities decreased by about 1 percent, and at the State-owned universities by about 2 percent, from the previous year; the aggregate full- and part-time student mix was not altered appreciably. FTE students vary considerably by academic level at the individual

¹Pennsylvania Department of Education, *Colleges and Universities Fall Enrollments, 1994*.

²Unless 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 1994-95 school year includes the summer and fall terms of 1994 plus the spring term of 1995.

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

universities. For Pittsburgh⁴ 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 86 percent for Lincoln, 90 percent for Penn State and 92 percent for the State-owned group.⁵ (Table 2) Likewise, the public universities offer diverse programs to students. Most of these universities continue to have large programs in business and education, in addition to letters and the social sciences. The State-owned universities each have specialized program missions. (Tables 3A through 3E)⁶

3. During the 1994-95 school year, the public universities conferred 42,269 bachelor's and graduate degrees (not including medical degrees): 24,351 degrees (58 percent) by the State-related universities, and 17,918 (42 percent) by the State-owned universities. Total degrees for the State-related universities remained about the same, but for the State-owned universities decreased by over 3 percent, from the preceding year.⁷ (Table 4)

4. Over the past five years (since 1989-90), Pennsylvania's population of 18- to 24-year-olds decreased by 10 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

⁴Beginning 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. One- and five-year comparisons are made for Pittsburgh; however, consideration must be given to this structural change in evaluating certain data changes.

⁵In 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.

⁶Tables 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.

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

appear to be attributable to a larger percentage of traditional students attending the public universities, plus an increase in the enrollment of older students.

5. In Fall 1994, 10,612 teaching and research faculty were *employed full-time* by Pennsylvania's public universities: 5,933 full-time faculty (56 percent) by the State-related universities and 4,679 (44 percent) by the State-owned universities.⁸ The overall workweek reported by these faculty averaged 53.9 hours: 52.5 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 8.6 per week for the State-related group, and 11.9 per week for the State-owned group. (Table 5) Since 1989-90, average total workweek hours for the State-related universities have increased by 1.5 percent and average student contact hours by 3.6 percent; over the same years, the average hours at the State-owned universities have increased by 0.9 percent and 1.7 percent, respectively.

6. During the 1994-95 school year, the *full- and part-time instructional faculty employed* by the public universities were the equivalent of 11,801 full-time faculty: 6,896 FTE instructional faculty (58 percent) for the State-related universities, and 4,905 (42 percent) for the State-owned universities.⁹ The combined FTE instructional faculty increased by less than 1 percent from the previous year. The instructional salary for these faculty averaged \$43,400 and \$51,400 for the two public university groups, respectively.¹⁰ The combined average instructional

⁸Faculty 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.

⁹Full-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.

¹⁰This 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.¹¹ 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 1989-90, the average instructional salary for the FTE instructional faculty has increased by about \$8,600 (25 percent) for the State-related universities, and about \$12,400 (32 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 1994-95 school year, the ratio of FTE students to FTE instructional faculty averaged 16.8 for the State-related universities (a one-year decrease of 1 percent), and 17.7 for the State-owned universities (a one-year decrease of nearly 3 percent). (Tables 1 and 6)
9. During the 1994-95 school year, the average instructional faculty salary costs per FTE student for the State-related group were: undergraduate level, \$1,973, and master's level, \$4,096. For the State-owned group the FTE instructional salary costs for these levels were \$2,794 and \$3,952, respectively. (Table 7) First professional FTE instructional salary costs averaged \$2,175 for Pittsburgh and \$3,700 for Temple; doctoral FTE instructional salary costs averaged \$10,833 for Penn State, \$11,850 for Pittsburgh, \$7,618 for Temple and \$7,705 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 number of classes

¹¹*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.

(sections) offered per course. Since 1989-90, undergraduate FTE instructional salary costs have increased by about 36 percent for the State-related group, and by about 40 percent for the State-owned group. FTE instructional salary cost also varies considerably by program area. (Table 8A through 8E)

10. Regression analysis applied to 1994-95 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 exceed \$10 million, and from *increasing* average class (section) sizes by one student would be almost \$19 million.¹²

11. The average undergraduate class (section) size is 18 for Lincoln, 29 for Penn State, 27 for Pittsburgh, 24 for Temple, and 22 for the State-owned universities. Since 1989-90, average undergraduate class sizes have declined by about 7 percent for the State-related group and by about 4 percent for the State-owned group. (Table 9)

12. During the 1994-95 school year, the tuition and required fees for full-time in-State undergraduate students averaged \$4,853 for the State-related universities, and \$3,755 for the State-owned universities. These tuition and fees increased by 6 percent for the State-related group and 5 percent for the State-owned group from the previous year. Lincoln's tuition and fees for nonresident full-time undergraduates exceeded those for residents by 61 percent, and for full-time graduate students by 56 percent. Penn State's tuition and fees for nonresident full-time undergraduates were 113 percent higher, and those for graduate students approximately double than the tuition and fees for residents. Pittsburgh's nonresident tuition and fees were approximately double those for residents for both levels. For Temple,

¹²The 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.

the out-of-state premium was almost 88 percent for full-time undergraduates and 41 percent for full-time graduate students. For the State-owned group, tuition and fees for nonresident undergraduates exceeded those for residents by 128 percent; nonresident graduate students paid 68 percent more than Pennsylvania residents. (Table 10)

13. For fiscal year 1994-95, the public universities collected more than a billion dollars in tuition and fee revenues. These revenues per FTE student averaged \$4,980 for Lincoln, \$6,150 for Penn State, \$7,390 for Pittsburgh, \$6,850 for Temple, and \$4,110 for the State-owned universities. Since 1989-90, per student revenues for the State-related universities have grown by 37 percent and for the State-owned universities by 56 percent. (Table 11)

14. For fiscal year 1994-95, the Commonwealth's instructional appropriations to the public universities totaled \$862.8 million: \$479.4 million (56 percent) to the State-related universities and \$383.4 million (44 percent) to the State-owned universities.^{13 14} 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 4 percent for both the State-related and the State-owned universities from the previous year. The average appropriation per FTE student was \$4,140 for the State-related group (a one-year increase of 5 percent) and \$4,410 for the State-owned group (a one-year increase of 6 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

¹³The 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.

¹⁴In 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.

Education Assistance Agency totaling almost \$91 million went to students at the public universities through various PHEAA grant and matching-fund programs.¹⁵

15. For 1994-95 total instructional revenues per FTE student--tuition and fees plus instructional appropriations--averaged \$10,730 for the State-related universities and \$8,520 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 1994-95 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 1989-90, 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.

¹⁵Data provided by the Pennsylvania Higher Education Assistance Agency.

II. CURRENT YEAR DATA

Table 1

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL¹
 1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)

University	Total				Undergraduate				Graduate ²			
	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 average			One-year	Five-year average			One-year	Five-year average
State-related												
Lincoln	1,416	-80	-5%	a	1,217	-55	-4%	1%	199	-25	-11%	-2%
Penn State	61,082	-88	a	-1%	54,725	-154	a	-1	6,357	66	1	1
Pittsburgh	28,290	-575	-2	-1	20,478	-520	-2	-1	7,812	-55	-1	a
Temple	25,078	-271	-1	-1	18,087	-253	-1	-3	6,991	-18	a	3
Total	115,866	-1,014	-1	-1	94,507	-982	-1	-1	21,359	-32	a	1
State-owned												
Bloomsburg	7,040	-119	-2	a	6,628	-154	-2	a	412	35	9	-1
California	5,733	-71	-1	-2	4,982	-65	-1	-2	751	-6	-1	5
Cheyney	1,278	-134	-9	-2	1,084	-122	-10	-2	194	-12	-6	-3
Clarion	5,409	-224	-4	-3	5,133	-179	-3	-3	276	-45	-14	-6
East Stroudsburg	5,317	40	1	a	4,655	26	1	a	662	14	2	1
Edinboro	6,971	-300	-4	a	6,556	-327	-5	a	415	27	7	1
Indiana	12,841	-408	-3	-1	11,795	-446	-4	-1	1,046	38	4	2
Kutztown	6,909	44	1	a	6,485	9	a	a	424	35	9	4
Lock Haven	3,431	-89	-3	2	3,413	-98	-3	1	18	9	100	b
Mansfield	2,893	-196	-6	-1	2,744	-170	-6	-1	149	-26	-15	-5
Millersville	6,711	201	3	-1	5,957	247	4	-1	754	-46	-6	a
Shippensburg	5,950	-24	a	a	5,449	-18	a	a	501	-6	-1	2
Slippery Rock	7,005	-162	-2	a	6,382	-171	-3	-1	623	9	1	6
West Chester	9,502	-213	-2	-1	8,565	-137	-2	-1	937	-76	-8	-1
Total	86,990	-1,655	-2	-1	79,828	-1,605	-2	-1	7,162	-50	-1	1
All universities	202,856	-2,669	-1	-1	174,335	2,587	-1	-1	28,521	-82	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, 1990 to 1995.

Table 2

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC DIVISION AND LEVEL¹
 1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)

University	Lower division			Upper division			Master's			First professional ² and doctor's		
	FTE students	Percentage change One-year	Five-year average	FTE students	Percentage change One-year	Five-year average	FTE students	Percentage change One-year	Five-year average	FTE students	Percentage change One-year	Five-year average
State-related												
Lincoln	884	-6%	-1%	333	a	9%	199	-11%	-2%	na	na	na
Penn State	34,675	1	-1	20,050	-3%	a	3,526	5	a	2,831	-3%	1%
Pittsburgh	13,514	-2	-2	6,964	-3	-1	5,321	-1	3	2,491	a	-3
Temple	8,689	-1	-4	9,398	-2	-1	3,752	-2	4	3,239	1	2
Total	57,762	a	-2	36,745	-2	a	12,798	a	2	8,561	-1	a
State-owned												
Bloomsburg	4,535	-2	-1	2,093	-2	1	412	9	-1	na	na	na
California	3,432	-1	-2	1,550	-1	-3	751	-1	5	na	na	na
Cheyney	770	-13	-3	314	-1	2	194	-6	-3	na	na	na
Clarion	3,597	-3	-3	1,536	-4	-1	276	-14	-6	na	na	na
East Stroudsburg	3,272	1	-1	1,383	a	4	662	2	1	na	na	na
Edinboro	4,495	-5	-2	2,061	-4	3	415	7	1	na	na	na
Indiana	7,955	-2	-2	3,840	-6	-1	834	6	-2	212	-4	b
Kutztown	4,277	3	-1	2,208	-4	1	424	9	4	na	na	na
Lock Haven	2,369	-4	1	1,044	-1	3	18	100	c	na	na	na
Mansfield	1,698	-8	-4	1,046	-3	9	149	-15	-5	na	na	na
Millersville	3,811	a	-3	2,146	13	4	754	-6	a	na	na	na
Shippensburg	3,902	-1	-1	1,547	1	2	501	-1	2	na	na	na
Slippery Rock	4,515	-2	-2	1,867	-4	3	623	1	6	na	na	na
West Chester	5,506	-1	-2	3,059	-3	1	937	-8	-1	na	na	na
Total	54,134	-2	-2	25,694	-2	1	6,950	-1	a	212	-4	b
All universities	111,896	-1	-2	62,439	-2	a	19,748	a	1	8,773	-1	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, 1990 to 1995.

Table 3A
 LINCOLN UNIVERSITY
 NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
 1994-95

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ³	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	--	--	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--	--	--
Area and ethnic studies	--	--	--	--	--	--	--	--
Business	87	6%	30	3%	57	17%	--	--
Communications	--	--	--	--	--	--	--	--
Computer and information sciences	31	2	28	3	3	1	--	--
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	265	19	192	22	61	18	12	6%
Engineering	--	--	--	--	--	--	--	--
Foreign languages	73	5	66	7	7	2	--	--
Health	--	--	--	--	--	--	--	--
Home economics	--	--	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--	--	--
Law	--	--	--	--	--	--	--	--
Letters	168	12	142	16	26	8	--	--
Liberal/general studies	--	--	--	--	--	--	--	--
Library and archival sciences	--	--	--	--	--	--	--	--
Life sciences	90	6	76	9	14	4	--	--
Mathematics	93	7	89	10	4	1	--	--
Military sciences	--	--	--	--	--	--	--	--
Multi/interdisciplinary studies	3	a	1	a	2	1	--	--
Parks and recreation	--	--	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	55	4	44	5	11	3	--	--
Physical sciences	80	6	58	7	22	7	--	--
Psychology	58	4	32	4	26	8	--	--
Public affairs and protective services	173	12	--	--	--	--	173	87
Social sciences	238	17	125	14	100	30	13	7
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	--	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total⁴	1,416	100	884	100	333	100	199	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, 1995.

Table 3B

PENNSYLVANIA STATE UNIVERSITY
 NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
 1994-95

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ³	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	1,149	2%	221	1%	797	4%	131	2%
Architecture and environmental design	455	1	165	a	273	1	17	a
Area and ethnic studies	662	1	509	1	137	1	16	a
Business	6,192	10	1,997	6	3,339	17	856	13
Communications	876	1	354	1	486	2	36	1
Computer and information sciences	1,320	2	1,052	3	210	1	58	1
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	4,438	7	1,268	4	1,509	8	1,661	26
Engineering	5,288	9	1,350	4	2,845	14	1,093	17
Foreign languages	2,143	4	1,608	5	416	2	119	2
Health	1,284	2	314	1	827	4	143	2
Home economics	1,587	3	832	2	646	3	109	2
Industrial arts	--	--	--	--	--	--	--	--
Law	--	--	--	--	--	--	--	--
Letters	5,665	9	3,858	11	1,507	8	300	5
Liberal/general studies	323	1	240	1	73	a	10	a
Library and archival sciences	7	a	3	a	4	a	--	--
Life sciences	3,390	6	2,464	7	713	4	213	3
Mathematics	5,589	9	4,842	14	568	3	179	3
Military sciences	86	a	51	a	35	a	--	--
Multi/interdisciplinary studies	1,896	3	960	3	821	4	115	2
Parks and recreation	267	a	73	a	164	1	30	a
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	971	2	806	2	120	1	45	1
Physical sciences	4,990	8	3,534	10	944	5	512	8
Psychology	2,065	3	1,214	4	666	3	185	3
Public affairs and protective services	745	1	160	a	490	2	95	1
Social sciences	6,162	10	4,208	12	1,626	8	328	5
Trade and industrial	297	a	295	1	2	a	--	--
Visual and performing arts	3,235	5	2,298	7	831	4	106	2
Other	--	--	--	--	--	--	--	--
Total ⁴	61,082	100	34,675	100	20,050	100	6,357	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, 1995.

Table 3C

UNIVERSITY OF PITTSBURGH
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
1994-95

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ³	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	--	--	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--	--	--
Area and ethnic studies	153	1%	86	1%	62	1%	5	a
Business	2,072	7	204	2	613	9	1,255	16%
Communications	79	a	14	a	26	a	39	a
Computer and information sciences	954	3	528	4	165	2	261	3
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	1,933	7	283	2	394	6	1,256	16
Engineering	1,592	6	391	3	674	10	527	7
Foreign languages	1,407	5	967	7	324	5	116	1
Health	2,852	10	228	2	1,114	16	1,510	19
Home economics	49	a	1	a	46	1	2	a
Industrial arts	--	--	--	--	--	--	--	--
Law	813	3	5	a	--	--	808	10
Letters	2,950	10	1,924	14	834	12	192	2
Liberal/general studies	--	--	--	--	--	--	--	--
Library and archival sciences	255	1	3	a	11	a	241	3
Life sciences	1,164	4	772	6	319	5	73	1
Mathematics	1,653	6	1,375	10	198	3	80	1
Military sciences	12	a	6	a	6	a	--	--
Multi/interdisciplinary studies	113	a	97	1	14	a	2	a
Parks and recreation	--	--	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	830	3	644	5	119	2	67	1
Physical sciences	2,145	8	1,788	13	137	2	220	3
Psychology	1,475	5	1,103	8	270	4	102	1
Public affairs and protective services	1,402	5	130	1	493	7	779	10
Social sciences	3,323	12	2,136	16	970	14	217	3
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	1,064	4	828	6	176	3	60	1
Other	--	--	--	--	--	--	--	--
Total ⁴	28,290	100	13,514	100	6,964	100	7,812	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, 1995.

Table 3D

TEMPLE UNIVERSITY
 NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
 1994-95

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ³	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	65	a	32	a	33	a	--	--
Architecture and environmental design	271	1%	83	1%	187	2%	1	a
Area and ethnic studies	304	1	128	1	109	1	67	1%
Business	2,436	10	506	6	1,207	13	723	10
Communications	765	3	272	3	364	4	129	2
Computer and information sciences	390	2	107	1	174	2	109	2
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	2,604	10	517	6	1,025	11	1,062	15
Engineering	544	2	121	1	364	4	59	1
Foreign languages	753	3	378	4	322	3	53	1
Health	2,449	10	44	1	885	9	1,520	22
Home economics	--	--	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--	--	--
Law	1,728	7	150	2	154	2	1,424	20
Letters	1,826	7	1,166	13	573	6	87	1
Liberal/general studies	583	2	424	5	155	2	4	a
Library and archival sciences	--	--	--	--	--	--	--	--
Life sciences	610	2	302	3	254	3	54	1
Mathematics	1,578	6	1,021	12	436	5	121	2
Military sciences	7	a	3	a	4	a	--	--
Multi/interdisciplinary studies	--	--	--	--	--	--	--	--
Parks and recreation	199	1	32	a	111	1	56	1
Personal and social development	--	--	--	--	--	--	--	--
Philosophy, religion and theology	438	2	187	2	171	2	80	1
Physical sciences	1,179	5	670	8	434	5	75	1
Psychology	1,048	4	370	4	361	4	317	5
Public affairs and protective services	914	4	174	2	312	3	428	6
Social sciences	2,757	11	1,296	15	1,127	12	334	5
Trade and industrial	--	--	--	--	--	--	--	--
Visual and performing arts	1,625	6	705	8	635	7	285	4
Other	--	--	--	--	--	--	--	--
Total ⁴	25,078	100	8,689	100	9,398	100	6,991	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, 1995.

Table 3E

STATE-OWNED UNIVERSITIES
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS¹
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
1994-95

CIP Classification	Total	Percentage of total	Undergraduate				Graduate ³	Percentage of total
			Lower division	Percentage of total	Upper division	Percentage of total		
Agriculture	82	a	76	a	5	a	1	a
Architecture and environmental design	12	a	--	--	7	a	5	a
Area and ethnic studies	311	a	152	a	138	1%	21	a
Business	6,984	8%	2,559	5%	3,945	15	480	7%
Communications	2,183	3	1,176	2	899	3	108	2
Computer and information sciences	1,811	2	1,408	3	304	1	99	1
Consumer, personal and miscellaneous services	--	--	--	--	--	--	--	--
Education	16,309	19	5,344	10	7,422	29	3,543	49
Engineering	258	a	89	a	135	1	34	a
Foreign languages	2,294	3	1,914	4	334	1	46	1
Health	2,803	3	790	1	1,554	6	459	6
Home economics	531	1	275	1	242	1	14	a
Industrial arts	479	1	179	a	146	1	154	2
Law	116	a	50	a	52	a	14	a
Letters	8,519	10	6,680	12	1,519	6	320	4
Liberal/general studies	222	a	212	a	10	a	--	--
Library and archival sciences	174	a	36	a	23	a	115	2
Life sciences	4,408	5	3,441	6	788	3	179	2
Mathematics	5,246	6	4,543	8	586	2	117	2
Military sciences	152	a	120	a	32	a	--	--
Multi/interdisciplinary studies	223	a	132	a	73	a	18	a
Parks and recreation	448	1	193	a	217	1	38	1
Personal and social development	648	1	500	1	113	a	35	a
Philosophy, religion and theology	1,898	2	1,645	3	235	1	18	a
Physical sciences	5,070	6	4,405	8	591	2	74	1
Psychology	5,220	6	3,045	6	1,533	6	642	9
Public affairs and protective services	1,599	2	741	1	784	3	74	1
Social sciences	12,670	15	9,570	18	2,690	10	410	6
Trade and industrial	42	a	31	a	11	a	--	--
Visual and performing arts	6,126	7	4,681	9	1,305	5	140	2
Other	148	a	143	a	--	--	5	a
Total ⁴	86,990	100	54,134	100	25,694	100	7,162	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, 1995.

Table 4

DEGREES CONFERRED¹
1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)

University	Total				Bachelor's				Graduate ²			
	Degrees	One-year change	Percentage change		Degrees	One-year change	Percentage change		Degrees	One-year change	Percentage change	
			One-year	Five-year average			One-year	Five-year average			One-year	Five-year average
State-related												
Lincoln	298	-15	-5%	7%	224	4	2%	13%	74	-19	-20%	-3%
Penn State	11,292	-218	-2	1	8,981	-250	-3	a	2,311	32	1	5
Pittsburgh	6,993	121	2	2	4,020	-45	-1	a	2,973	166	6	4
Temple	5,768	20	a	2	3,299	-83	-2	-1	2,469	103	4	7
Total	24,351	-92	a	2	16,524	-374	-2	a	7,827	282	4	5
State-owned												
Bloomsburg	1,543	-50	-3	2	1,354	-14	-1	3	189	-36	-16	-1
California	1,133	-61	-5	2	865	-58	-6	a	268	-3	-1	8
Cheyney	268	17	7	9	189	16	9	6	79	1	1	18
Clarion	1,025	-170	-14	-2	858	-156	-15	-1	167	-14	-8	-2
East Stroudsburg	1,103	80	8	4	880	54	7	3	223	26	13	11
Edinboro	1,401	-52	-4	8	1,191	-93	-7	8	210	41	24	5
Indiana	2,591	-151	-6	2	2,116	-138	-6	2	475	-13	-3	a
Kutztown	1,349	-33	-2	3	1,153	-46	-4	1	196	13	7	14
Lock Haven	639	-49	-7	7	638	-49	-7	7	1	0	0	b
Mansfield	611	-45	-7	4	538	-26	-5	6	73	-19	-21	-3
Millersville	1,367	-101	-7	1	1,215	-78	-6	1	152	-23	-13	1
Shippensburg	1,506	-40	-3	4	1,114	-116	-9	3	392	76	24	9
Slippery Rock	1,381	7	1	3	1,195	-47	-4	2	186	54	41	9
West Chester	2,001	37	2	4	1,620	-46	-3	3	381	83	28	8
Total	17,918	-611	-3	3	14,926	-797	-5	2	2,992	186	7	5
All universities	42,269	-703	-2	2	31,450	-1,171	-4	1	10,819	468	5	5

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, 1990 to 1995.

Table 5

NUMBER AND WORKWEEKS OF FULL-TIME EMPLOYED FACULTY BY TYPE OF ACTIVITY
FALL 1994, AND PERCENTAGE CHANGE FROM FALL 1993

University	Full-time employed faculty ¹	Average weekly hours ²											
		Student contact				Instruc- tional support ³	Research		Other university service ⁴	Total			
		Under- graduate	Percentage change	Graduate	Percentage change		Percentage change	Percentage change		work- week	Percentage change		
State-related													
Lincoln	83	9.9	4%	.9	0%	19.9	3%	10.6	1%	8.8	-5%	50.1	1%
Penn State	2,943	6.7	0	1.8	0	19.3	-1	17.0	1	7.8	5	52.6	1
Pittsburgh	1,770	4.4	-2	4.0	5	13.7	-2	18.7	1	11.4	1	52.2	a
Temple	1,137	5.0	2	4.0	5	18.3	3	14.3	-3	11.8	4	53.4	2
Total	5,933	5.7	0	2.9	4	17.4	-1	16.9	0	9.6	3	52.5	1
State-owned													
Bloomsburg	355	11.4	2	.9	12	17.5	1	9.1	1	17.2	-2	56.1	a
California	279	10.0	9	1.6	33	17.0	6	7.4	-1	21.0	1	57.0	4
Cheyney	92	10.2	-3	1.0	25	18.2	11	6.9	-1	19.7	1	56.0	3
Clarion	340	11.2	3	.7	-22	18.7	2	8.8	-1	12.8	-1	52.2	a
East Stroudsburg	258	10.9	0	1.1	10	17.5	-1	8.7	-9	17.2	1	55.4	-1
Edinboro	373	12.8	2	.8	33	17.7	-2	8.3	1	14.7	-3	54.3	a
Indiana	712	9.8	-4	1.4	8	16.9	3	9.6	2	18.8	4	56.5	2
Kutztown	358	11.4	-1	.5	0	16.3	-1	8.5	2	16.5	-5	53.2	-1
Lock Haven	200	11.5	-3	.1	0	18.2	3	7.8	4	16.3	-6	53.9	-1
Mansfield	174	11.2	4	.4	0	21.1	4	9.4	-9	18.4	-1	60.5	a
Millersville	305	11.6	4	1.0	43	17.1	4	9.6	13	13.9	-17	53.2	-1
Shippensburg	317	9.4	-1	.9	0	16.9	0	7.7	3	18.0	3	52.9	1
Slippery Rock	378	10.8	-2	.7	0	18.8	-1	10.4	-11	17.2	-2	57.9	-3
West Chester	538	10.8	0	1.5	-6	18.1	-2	11.9	3	18.7	1	61.0	a
Total	4,679	10.9	1	1.0	11	17.7	1	9.1	0	17.1	-2	55.8	a
All universities	10,612	7.9	0	2.1	5	17.5	0	13.6	0	12.8	1	53.9	a

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.

SOURCE: Data provided by the individual universities, 1994 and 1995.

Table 6

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY AND PERCENTAGE DISTRIBUTION BY RANK¹
1994-95
(Dollars in thousands)

University	FTE instructional faculty		Average instructional salary		Professor		Associate professor		Assistant professor		Instructor		No rank ²	
	Number	Percentage change 1993-94 to 1994-95	Amount	Percentage change 1993-94 to 1994-95	Average instructional salary	Percentage of faculty								
State-related														
Lincoln	99	1%	\$33.0	4%	\$47.4	16%	\$37.8	23%	\$29.6	26%	\$27.1	10%	\$25.0	25%
Penn State	3,395	-1	43.9	3	71.5	17	51.6	19	41.7	24	32.5	13	29.5	27
Pittsburgh	1,865	1	43.9	3	70.3	19	48.1	24	38.4	21	25.7	13	33.0	23
Temple	1,537	2	42.4	7	66.4	27	51.9	19	40.2	17	20.9	14	20.4	23
Total	6,896	a	43.4	4	69.3	20	50.3	20	40.4	22	27.9	13	28.5	25
State-owned														
Bloomsburg	389	-1	50.2	6	63.8	28	51.9	32	40.6	34	32.5	6	na	0
California	284	1	52.7	-1	66.0	39	53.2	30	44.1	16	26.4	14	40.9	1
Cheyney	93	-2	49.8	8	60.8	31	47.8	29	44.3	29	39.3	11	10.4	a
Clarion	330	a	51.1	3	66.2	32	53.5	25	42.5	30	29.4	13	24.9	a
East Stroudsburg	293	a	49.9	5	60.4	40	51.1	26	40.2	28	20.4	6	na	0
Edinboro	409	-2	49.9	5	64.5	30	51.4	20	41.3	44	33.9	6	na	0
Indiana	726	1	52.3	4	64.9	36	52.6	28	42.5	25	31.6	9	29.2	2
Kutztown	373	2	52.6	3	67.1	33	54.7	27	42.2	30	30.3	10	73.4	a
Lock Haven	183	-1	51.4	4	67.8	23	55.6	32	43.5	29	35.5	16	11.2	a
Mansfield	184	2	51.4	5	67.7	27	55.0	27	44.1	31	30.0	15	na	0
Millersville	394	9	50.9	a	63.8	35	53.4	24	41.5	31	28.7	10	na	0
Shippensburg	307	1	55.9	3	67.8	45	55.4	20	42.4	31	31.6	4	na	0
Slippery Rock	380	a	52.8	6	64.9	34	51.9	30	42.7	33	35.3	3	92.2	a
West Chester	560	-2	49.0	-1	64.4	24	54.7	30	43.1	28	29.4	18	28.4	a
Total	4,905	1	51.4	3	65.0	33	53.1	27	42.2	30	30.3	10	32.4	a
All universities	11,801	a	46.7	3	67.0	25	51.7	23	41.3	25	28.7	12	28.5	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 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, 1994 and 1995.

Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL¹
1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)

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	\$2,028	10%	6%	\$3,268	9%	3%	\$2,367	10%	6%	\$1,928	14%	4%
Penn State	1,488	3	6	2,600	3	5	1,895	3	6	4,156	10	6
Pittsburgh	1,567	2	8	3,025	6	9	2,063	4	9	4,769	7	4
Temple	1,656	10	8	2,470	9	9	2,079	9	9	3,198	12	4
Total	1,540	4	7	2,653	5	7	1,973	4	7	4,096	9	4
State-owned												
Bloomsburg	2,243	6	8	3,747	11	6	2,717	8	8	3,763	-10	12
California	2,041	2	7	3,488	4	9	2,491	3	8	3,422	-4	1
Cheyney	3,206	18	6	5,172	11	5	3,776	17	6	2,892	16	-5
Clarion	2,308	a	9	4,610	13	8	2,997	5	9	5,347	32	17
East Stroudsburg	2,251	4	8	3,963	4	5	2,760	4	7	2,649	5	10
Edinboro	2,288	11	6	4,001	4	7	2,826	8	8	4,508	1	4
Indiana	1,959	2	9	4,134	14	10	2,667	7	10	5,808	11	9
Kutztown	1,972	1	7	4,250	8	7	2,747	3	7	4,210	9	10
Lock Haven	2,131	6	6	4,054	5	5	2,719	6	6	5,611	-54	b
Mansfield	2,164	19	9	4,940	9	5	3,222	14	10	4,148	8	9
Millersville	2,554	5	12	3,548	6	6	2,912	7	10	3,545	4	15
Shippensburg	2,277	2	6	4,076	5	9	2,788	3	8	3,929	18	1
Slippery Rock	2,385	11	8	3,987	6	3	2,854	9	7	2,973	5	a
West Chester	2,315	a	6	3,551	3	7	2,756	1	7	4,099	-9	5
Total	2,225	5	8	3,992	8	7	2,794	6	8	3,952	4	6
All universities	1,872	4	7	3,204	6	7	2,349	5	8	4,045	7	5

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, 1990 to 1995.

Table 8A

LINCOLN UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
 1994-95

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	\$2,045	\$2,259	\$2,185	--	--	--
Communications	--	--	--	--	--	--
Computer and information sciences	2,050	7,703	2,605	--	--	--
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	2,060	2,640	2,199	\$1,704	--	--
Engineering	--	--	--	--	--	--
Foreign languages	2,333	7,277	2,810	--	--	--
Health	--	--	--	--	--	--
Home economics	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--
Law	--	--	--	--	--	--
Letters	2,274	3,856	2,522	--	--	--
Liberal/general studies	--	--	--	--	--	--
Library and archival sciences	--	--	--	--	--	--
Life sciences	1,347	5,753	2,017	--	--	--
Mathematics	1,928	5,684	2,069	--	--	--
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	3,844	2,243	2,833	--	--	--
Parks and recreation	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,376	2,154	1,529	--	--	--
Physical sciences	2,816	6,545	3,852	--	--	--
Psychology	1,745	2,850	2,244	--	--	--
Public affairs and protective services	--	--	--	1,892	--	--
Social sciences	1,931	2,743	2,292	2,594	--	--
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	--	--	--	--	--	--
Other	--	--	--	--	--	--
Total	2,028	3,268	2,367	1,928	--	--

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, 1995.

Table 8B

PENNSYLVANIA STATE UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
 1994-95

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional ³	Doctor's
Agriculture	\$1,611	\$1,986	\$1,904	\$6,000	--	\$10,228
Architecture and environmental design	2,404	3,219	2,912	13,429	--	11,263
Area and ethnic studies	1,454	4,284	2,052	9,317	--	10,736
Business	1,729	2,380	2,137	4,070	--	16,740
Communications	996	2,797	2,038	8,837	--	11,718
Computer and information sciences	1,702	3,124	1,939	2,478	--	12,170
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,009	2,944	2,061	1,802	--	5,436
Engineering	3,232	3,130	3,163	5,697	--	13,173
Foreign languages	1,669	2,482	1,836	6,586	--	11,160
Health	2,418	2,357	2,374	5,585	--	16,953
Home economics	704	2,005	1,273	8,481	--	8,166
Industrial arts	--	--	--	--	--	--
Law	--	--	--	--	--	--
Letters	1,799	2,149	1,897	4,599	--	9,450
Liberal/general studies	1,566	2,120	1,695	8,776	--	--
Library and archival sciences	26,926	0	10,820	--	--	--
Life sciences	1,131	1,823	1,286	7,962	--	11,382
Mathematics	1,535	2,838	1,672	3,973	--	11,260
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	1,701	2,455	2,049	3,254	--	8,483
Parks and recreation	701	1,940	1,559	10,287	--	15,210
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,168	2,719	1,369	6,365	--	10,194
Physical sciences	1,402	3,082	1,756	7,532	--	12,507
Psychology	691	2,276	1,253	4,965	--	8,402
Public affairs and protective services	1,948	1,960	1,957	4,349	--	15,086
Social sciences	1,147	2,588	1,549	7,979	--	11,076
Trade and industrial	3,408	9,542	3,448	--	--	--
Visual and performing arts	1,163	3,500	1,784	9,125	--	11,466
Other	--	--	--	--	--	--
Total	1,488	2,600	1,895	4,156	--	10,833

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, 1995.

Table 8C

UNIVERSITY OF PITTSBURGH
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
 1994-95

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional ³	Doctor's
Agriculture	--	--	--	--	--	--
Architecture and environmental design	--	--	--	--	--	--
Area and ethnic studies	\$1,769	\$3,385	\$2,444	\$5,117	--	\$16,729
Business	2,575	2,622	2,610	2,325	--	26,899
Communications	930	2,853	2,199	2,951	--	11,306
Computer and information sciences	1,661	3,067	1,995	3,798	--	13,042
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,532	2,756	2,244	2,729	--	8,258
Engineering	2,843	3,463	3,235	6,301	--	12,214
Foreign languages	2,009	2,528	2,140	5,934	--	12,810
Health	1,930	3,783	3,468	8,162	\$1,694	16,021
Home economics	5,132	3,024	3,053	2,342	--	--
Industrial arts	--	--	--	--	--	--
Law	693	--	693	--	2,637	--
Letters	1,747	2,288	1,910	5,049	--	11,965
Liberal/general studies	--	--	--	--	--	--
Library and archival sciences	489	193	261	2,883	--	10,687
Life sciences	1,417	3,289	1,964	16,169	--	22,517
Mathematics	1,783	3,914	2,051	5,448	--	12,942
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	1,885	1,836	1,879	0	--	--
Parks and recreation	--	--	--	--	--	--
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,720	3,494	1,996	11,237	--	20,248
Physical sciences	1,229	8,134	1,719	9,856	--	13,720
Psychology	843	2,579	1,184	7,968	--	11,371
Public affairs and protective services	833	1,280	1,187	4,368	--	6,984
Social sciences	1,466	2,715	1,856	8,231	--	16,766
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	1,339	4,741	1,935	7,162	--	12,987
Other	--	--	--	--	--	--
Total	1,567	3,025	2,063	4,769	2,175	11,850

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, 1995.

Table 8D

TEMPLE UNIVERSITY
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
 1994-95

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional ³	Doctor's
Agriculture	\$1,959	\$2,199	\$2,081	--	--	--
Architecture and environmental design	2,075	3,882	3,328	\$3,988	--	--
Area and ethnic studies	1,773	2,325	2,027	4,623	--	\$5,555
Business	1,856	2,251	2,134	2,378	--	11,095
Communications	1,507	2,939	2,327	5,023	--	6,048
Computer and information sciences	2,427	3,865	3,317	3,291	--	6,789
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,411	1,865	1,713	2,561	--	5,663
Engineering	2,801	3,638	3,429	6,597	--	21,683
Foreign languages	2,031	2,582	2,285	3,553	--	8,470
Health	2,051	1,669	1,688	2,708	\$4,646	10,190
Home economics	--	--	--	--	--	--
Industrial arts	--	--	--	--	--	--
Law	1,627	3,146	2,398	4,125	3,003	--
Letters	1,724	2,605	2,015	6,679	--	6,649
Liberal/general studies	1,005	938	987	1,274	--	2,576
Library and archival sciences	--	--	--	--	--	--
Life sciences	594	2,049	1,259	3,233	--	7,107
Mathematics	1,727	2,399	1,928	3,343	--	15,442
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	--	--	--	--	--	--
Parks and recreation	1,664	3,398	3,005	3,432	--	8,285
Personal and social development	--	--	--	--	--	--
Philosophy, religion and theology	1,974	3,014	2,472	5,806	--	8,976
Physical sciences	1,348	2,313	1,727	3,878	--	13,497
Psychology	1,009	2,001	1,499	2,437	--	6,891
Public affairs and protective services	1,394	2,366	2,018	2,340	--	13,067
Social sciences	1,415	2,267	1,811	3,492	--	7,248
Trade and industrial	--	--	--	--	--	--
Visual and performing arts	2,833	4,016	3,393	6,491	--	12,682
Other	--	--	--	--	--	--
Total	1,656	2,470	2,079	3,198	3,700	7,618

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, 1995.

Table 8E

STATE-OWNED UNIVERSITIES
 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT¹
 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²
 1994-95

CIP classification	Undergraduate			Graduate		
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's ³
Agriculture	\$2,119	\$2,395	\$2,136	\$2,748	--	--
Architecture and environmental design	--	2,741	2,741	3,271	--	--
Area and ethnic studies	2,393	2,960	2,663	5,638	--	--
Business	2,338	3,368	2,963	3,844	--	--
Communications	2,379	3,827	3,006	4,055	--	--
Computer and information sciences	2,479	5,277	2,976	3,969	--	--
Consumer, personal and miscellaneous services	--	--	--	--	--	--
Education	1,821	3,489	2,791	2,920	--	\$6,643
Engineering	3,885	5,289	4,731	3,236	--	--
Foreign languages	2,964	5,634	3,361	3,856	--	--
Health	2,850	4,268	3,790	3,627	--	--
Home economics	1,672	3,248	2,410	11,238	--	--
Industrial arts	4,068	4,720	4,361	3,092	--	--
Law	2,285	2,029	2,155	3,493	--	--
Letters	2,317	3,871	2,605	5,492	--	5,405
Liberal/general studies	919	3,172	1,021	--	--	--
Library and archival sciences	3,097	6,784	4,534	3,225	--	--
Life sciences	2,321	5,557	2,924	9,339	--	--
Mathematics	2,387	4,384	2,616	6,512	--	--
Military sciences	--	--	--	--	--	--
Multi/interdisciplinary studies	2,055	4,293	2,852	4,668	--	--
Parks and recreation	2,637	3,333	3,005	5,413	--	--
Personal and social development	2,609	4,407	2,940	3,164	--	--
Philosophy, religion and theology	2,097	4,051	2,342	5,018	--	--
Physical sciences	2,888	9,063	3,618	11,962	--	--
Psychology	1,692	3,105	2,165	3,837	--	16,416
Public affairs and protective services	1,639	3,260	2,472	2,559	--	--
Social sciences	1,739	3,896	2,213	5,644	--	8,639
Trade and industrial	4,139	10,594	5,830	--	--	--
Visual and performing arts	2,560	6,361	3,389	12,111	--	--
Other	2,517	--	2,517	2,785	--	--
Total	2,225	3,992	2,794	3,952	--	7,705

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, 1995.

Table 9

AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL¹
1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)

University	Undergraduate									Master's		
	Lower division			Upper division			Total undergraduate					
	Class size	One-year	Five-year average	Class size	One-year	Five-year average	Class size	One-year	Five-year average	Class size	One-year	Five-year average
State-related												
Lincoln	20	-5%	-1%	13	-7%	0%	18	-5%	-1%	14	-12%	-1%
Penn State	30	0	-1	26	-4	-1	29	0	-1	14	0	-1
Pittsburgh	29	0	-2	24	-8	-2	27	-4	-2	18	0	0
Temple	26	-4	-1	22	-4	-2	24	-4	-2	15	-6	1
Total	29	0	-1	24	-4	-2	27	-4	-1	16	0	1
State-owned												
Bloomsburg	23	0	-2	16	-6	0	20	-5	-1	11	10	-3
California	31	0	1	18	-5	-1	25	-4	0	14	8	5
Cheyney	19	-14	-1	12	0	2	16	-11	-1	15	-12	1
Clarion	32	0	-2	15	-12	-1	24	-4	-2	11	-21	-3
East Stroudsburg	28	4	-1	18	0	2	24	0	0	19	6	-1
Edinboro	26	0	0	17	0	3	22	-4	0	10	11	2
Indiana	29	0	-1	15	-6	-2	22	-4	-2	10	11	2
Kutztown	29	4	-1	15	-6	-1	22	0	-2	12	-8	-2
Lock Haven	28	-3	0	17	31	6	24	14	3	15	400	a
Mansfield	26	-7	-2	8	-11	-2	14	-12	-4	8	0	-2
Millersville	25	0	1	19	0	9	23	5	4	13	-7	2
Shippensburg	28	0	-1	17	6	b	23	0	b	14	-7	8
Slippery Rock	30	-3	1	16	0	3	24	0	0	18	6	4
West Chester	23	0	-1	14	-7	-2	19	0	-2	10	0	-2
Total	27	0	-1	15	-6	0	22	0	-1	12	0	2
All universities ²	28	0	-1	20	0	-1	24	-4	-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. The master's level was not included prior to 1992-93.

b. 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, 1990 to 1995.

Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS BY ACADEMIC LEVEL AND RESIDENCE
1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)

University	Undergraduate						Graduate ¹					
	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	\$3,495	11%	9%	\$5,618	15%	12%	\$4,893	2%	10%	\$7,633	11%	11%
Penn State ²	5,036	4	7	10,724	-1	7	5,624	4	7	11,396	5	7
Pittsburgh ²	5,416	4	7	11,240	5	8	7,150	4	8	14,172	5	9
Temple	5,464	5	7	10,246	5	8	6,342	5	8	8,934	10	11
Average	4,853	6	7	9,457	4	8	6,002	4	8	10,534	7	9
State-owned												
Bloomsburg	3,694	7	11	8,452	8	20	3,574	7	11	6,032	8	24
California	3,902	4	11	8,660	6	19	3,804	5	10	6,262	7	22
Cheyney	3,591	8	10	8,349	8	19	3,411	7	10	5,869	8	23
Clarion	3,879	5	12	8,637	7	20	3,799	4	13	6,257	6	26
East Stroudsburg	3,844	5	12	8,602	7	20	3,690	5	12	6,148	7	25
Edinboro	3,685	4	10	8,443	6	19	3,685	4	10	6,143	6	23
Indiana	3,725	5	10	8,483	7	19	3,620	5	10	6,078	7	25
Kutztown	3,699	4	11	8,535	3	20	3,569	4	12	6,105	5	26
Lock Haven	3,662	4	11	8,896	13	22	3,662	4	a	6,366	11	a
Mansfield	3,624	5	10	8,382	7	19	3,464	5	10	5,922	7	23
Millersville	3,920	5	11	8,678	6	20	3,920	5	12	6,378	6	24
Shippensburg	3,856	4	12	8,614	6	20	3,696	4	12	6,154	6	25
Slippery Rock	3,836	8	11	8,594	8	19	3,836	8	11	6,294	9	23
West Chester	3,646	4	10	8,404	6	20	3,528	5	9	5,986	7	22
Average	3,755	5	11	8,552	7	20	3,661	5	11	6,142	7	24

1. Excludes first-professional level.

2. Main campus data only.

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

SOURCE: Pennsylvania Department of Education, *Colleges and Universities-Basic Student Charges*, 1989-90 to 1994-95.

Table 11

TUITION AND FEE REVENUES RELATED TO FULL-TIME EQUIVALENT STUDENTS¹
1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)

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
State-related							
Lincoln	\$7,057	6%	12%	\$4,980	\$550	12%	12%
Penn State	375,429	11	6	6,150	630	11	7
Pittsburgh	209,036	2	7	7,390	300	4	8
Temple	171,845	5	6	6,850	400	6	8
Total	763,367	7	6	6,590	500	8	7
State-owned							
Bloomsburg	27,637	3	11	3,930	170	5	11
California	22,409	3	10	3,910	150	4	13
Cheyney	5,450	-6	5	4,260	170	4	8
Clarion	20,293	a	6	3,750	140	4	10
East Stroudsburg	23,746	2	11	4,470	70	2	11
Edinboro	27,842	-1	11	3,990	110	3	11
Indiana	53,773	2	11	4,190	220	6	13
Kutztown	27,614	6	9	4,000	190	5	9
Lock Haven	14,105	1	14	4,110	150	4	11
Mansfield	12,059	-5	8	4,170	60	1	10
Millersville	29,704	4	10	4,430	40	1	12
Shippensburg	23,591	3	11	3,960	120	3	11
Slippery Rock	28,476	3	11	4,070	210	5	12
West Chester	41,155	1	10	4,330	150	4	11
Total	357,854	2	10	4,110	150	4	11
All universities	1,121,221	5	7	5,530	350	7	9

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.

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, 1990 to 1995; FTE students - data provided by the individual universities, 1990 to 1995.

Table 12

COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS RELATED TO FULL-TIME EQUIVALENT STUDENTS¹
1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)

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	\$9,571	1%	1%	\$6,760	\$450	7%	1%
Penn State	207,697	5	3	3,400	150	5	4
Pittsburgh ²	127,537	3	2	4,510	230	5	3
Temple	134,566	2	2	5,370	170	3	4
Total	479,371	4	3	4,140	180	5	4
State-owned							
Bloomsburg	29,568	4	3	4,200	220	6	3
California	25,399	4	3	4,430	210	5	6
Cheyney	12,695	2	a	9,930	1,080	12	3
Clarion	26,789	4	3	4,950	370	8	7
East Stroudsburg	21,428	4	3	4,030	130	3	3
Edinboro	27,630	4	4	3,960	300	8	4
Indiana	53,659	4	3	4,180	280	7	4
Kutztown	28,343	4	3	4,100	140	4	3
Lock Haven	16,105	4	3	4,690	280	6	1
Mansfield	15,638	4	2	5,410	540	11	3
Millersville	29,761	4	3	4,430	20	a	4
Shippensburg	25,941	4	3	4,360	180	4	3
Slippery Rock	29,579	4	3	4,220	250	6	4
West Chester	40,876	4	3	4,300	250	6	4
Total ³	383,411	4	3	4,410	240	6	4
All universities ³	862,782	4	3	4,250	200	5	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.

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*, 1991-92 to 1995-96; State System of Higher Education, Commonwealth of Pennsylvania, 1990 to 1995; and individual State-related universities, 1992 to 1995. FTE students - data provided by the individual universities, 1990 to 1995.

Table 13

**TUITION AND FEE REVENUES,
COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS AND STUDENT AID PER FULL-TIME EQUIVALENT STUDENT¹
1994-95, CHANGE FROM 1993-94 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1989-90 to 1994-95)**

University	Per FTE student			Ratio of instructional appropriations to total instructional revenues			Student aid per FTE student ²
	Tuition and fee revenues	Instructional appropriations	Total instructional revenues	Percentage	Percentage change One-year	Five-year average	
State-related							
Lincoln	\$4,980	\$6,760	\$11,740	58%	-2%	-3%	\$287
Penn State	6,150	3,400	9,550	36	-3	-1	427
Pittsburgh ³	7,390	4,510	11,900	38	0	-2	443
Temple	6,850	5,370	12,220	44	-2	-2	458
Total	6,590	4,140	10,730	38	-3	-2	436
State-owned							
Bloomsburg	3,930	4,200	8,130	52	2	-3	401
California	3,910	4,430	8,340	53	0	-2	570
Cheyney	4,260	9,930	14,190	70	3	-1	982
Clarion	3,750	4,950	8,700	57	2	-1	545
East Stroudsburg	4,470	4,030	8,500	47	0	-3	364
Edinboro	3,990	3,960	7,950	50	2	-2	541
Indiana	4,190	4,180	8,370	50	0	-3	561
Kutztown	4,000	4,100	8,100	51	0	-2	356
Lock Haven	4,110	4,690	8,800	53	0	-3	530
Mansfield	4,170	5,410	9,580	56	4	-2	510
Millersville	4,430	4,430	8,860	50	0	-2	368
Shippensburg	3,960	4,360	8,320	52	0	-3	361
Slippery Rock	4,070	4,220	8,290	51	0	-2	536
West Chester	4,330	4,300	8,630	50	2	-2	305
Total⁴	4,110	4,410	8,520	52	2	-2	462
All universities⁴	5,530	4,250	9,780	43	-2	-2	447

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.

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, 1990 to 1995; instructional appropriations - *Governor's Executive Budget*, 1991-92 to 1995-96; State System of Higher Education, Commonwealth of Pennsylvania, 1990 to 1995; and individual State-related universities 1992 to 1995; FTE students - data provided by the individual universities, 1990 to 1995; student aid - Pennsylvania Higher Education Assistance Agency, August 1995.

III. HISTORICAL DATA

Historical Table 1
FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL¹
 1989-90 to 1994-95

University	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
State-related						
Lincoln						
Total	1,394	1,469	1,540	1,531	1,496	1,416
Undergraduate	1,171	1,245	1,337	1,321	1,272	1,217
Graduate	223	224	203	210	224	199
Penn State						
Total	62,839	63,633	63,537	63,161	61,170	61,082
Undergraduate	56,641	57,223	57,224	56,739	54,879	54,725
Graduate	6,198	6,410	6,313	6,422	6,291	6,357
Pittsburgh						
Total	29,737	29,348	29,492	29,405	28,665	28,290
Undergraduate	22,107	21,873	22,097	21,638	20,998	20,478
Graduate	7,630	7,475	7,395	7,767	7,867	7,812
Temple						
Total	27,005	25,296	26,321	25,773	25,349	25,078
Undergraduate	20,898	19,143	19,617	18,910	18,340	18,087
Graduate	6,107	6,153	6,704	6,863	7,009	6,991
State-owned						
Bloomsburg						
Total	7,058	7,281	7,415	7,379	7,159	7,040
Undergraduate	6,631	6,839	6,966	6,984	6,782	6,628
Graduate	427	442	449	395	377	412
California						
Total	6,264	6,209	6,242	6,044	5,804	5,733
Undergraduate	5,673	5,630	5,581	5,307	5,047	4,982
Graduate	591	579	661	737	757	751
Cheyney						
Total	1,433	1,488	1,389	1,423	1,412	1,278
Undergraduate	1,204	1,240	1,174	1,247	1,206	1,084
Graduate	229	248	215	176	206	194
Clarion						
Total	6,312	6,260	6,028	5,863	5,633	5,409
Undergraduate	5,916	5,820	5,659	5,546	5,312	5,133
Graduate	396	440	369	317	321	276
East Stroudsburg						
Total	5,250	5,384	5,309	5,251	5,277	5,317
Undergraduate	4,634	4,760	4,645	4,645	4,629	4,655
Graduate	616	624	664	606	648	662
Edinboro						
Total	7,098	7,548	7,651	7,637	7,271	6,971
Undergraduate	6,695	7,118	7,233	7,231	6,883	6,556
Graduate	403	430	418	406	388	415
Indiana						
Total	13,698	13,976	14,255	13,696	13,249	12,841
Undergraduate	12,748	12,961	13,116	12,541	12,241	11,795
Graduate	950	1,015	1,139	1,155	1,008	1,046
Kutztown						
Total	6,913	7,123	7,126	6,926	6,865	6,909
Undergraduate	6,557	6,713	6,724	6,524	6,476	6,485
Graduate	356	410	402	402	389	424
Lock Haven						
Total	3,176	3,505	3,599	3,669	3,520	3,431
Undergraduate	3,176	3,505	3,599	3,661	3,511	3,413
Graduate	a	a	a	8	9	18
Mansfield						
Total	3,035	3,070	3,149	3,142	3,089	2,893
Undergraduate	2,838	2,887	2,960	2,953	2,914	2,744
Graduate	197	183	189	189	175	149
Millersville						
Total	7,030	7,072	6,959	6,919	6,510	6,711
Undergraduate	6,266	6,216	6,168	6,093	5,710	5,957
Graduate	764	856	791	826	800	754
Shippensburg						
Total	5,978	6,015	6,197	6,096	5,974	5,950
Undergraduate	5,513	5,543	5,695	5,597	5,467	5,449
Graduate	465	472	502	499	507	501
Slippery Rock						
Total	7,124	7,436	7,496	7,358	7,167	7,005
Undergraduate	6,648	6,831	6,866	6,738	6,553	6,382
Graduate	476	605	630	620	614	623
West Chester						
Total	9,889	10,237	10,219	10,048	9,715	9,502
Undergraduate	8,898	9,121	9,135	9,003	8,702	8,565
Graduate	991	1,116	1,084	1,045	1,013	937

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, 1990 to 1995.

Historical Table 2

STUDENT CREDIT HOURS BY ACADEMIC DIVISION AND LEVEL¹
 TOTAL YEAR AND SUMMER 1989-90 to 1994-95
 (in thousands)

University	Total year							Summer			
	Lower division	Upper division	Total undergraduate	Master's	First professional	Doctor's	Total graduate	Grand total	Total undergraduate	Total graduate	Grand total
State-related											
Lincoln											
1989-90	28	7	35	5	na	na	5	40	1	1	2
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	1	2
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
Penn State											
1989-90	1,098	601	1,699	83	na	66	149	1,848	98	22	120
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
Pittsburgh											
1989-90	445	219	664	113	42	27	182	846	66	34	100
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
Temple											
1989-90	332	295	627	75	47	24	146	773	54	16	70
1990-91	284	291	575	77	48	23	148	723	56	17	73
1991-92	291	308	599	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
State-owned											
Bloomsburg											
1989-90	140	59	199	10	na	na	10	209	17	4	21
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
California											
1989-90	115	55	170	14	na	na	14	184	12	4	16
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
Cheyney											
1989-90	27	9	36	5	na	na	5	41	2	2	4
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
Clarion											
1989-90	128	49	177	10	na	na	10	187	12	3	15
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
East Stroudsburg											
1989-90	105	34	139	15	na	na	15	154	15	7	22
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

Edinboro											
1989-90	148	53	201	10	na	na	10	211	12	3	15
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
Indiana											
1989-90	262	120	382	23	na	b	23	405	34	7	41
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
Kutztown											
1989-90	133	64	197	8	na	na	8	205	11	3	14
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
Lock Haven											
1989-90	68	27	95	c	na	na	c	95	4	c	4
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
Mansfield											
1989-90	63	22	85	5	na	na	5	90	5	2	7
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
Millersville											
1989-90	134	54	188	18	na	na	18	206	17	11	28
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
Shippensburg											
1989-90	123	42	165	11	na	na	11	176	11	4	15
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
Slippery Rock											
1989-90	152	48	200	11	na	na	11	211	15	2	17
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
West Chester											
1989-90	179	88	267	24	na	na	24	291	21	7	28
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

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, 1990 to 1995

Historical Table 3
DEGREES CONFERRED¹
1989-90 to 1994-95

University	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
State-related						
Lincoln						
Total	219	300	292	250	313	298
Bachelor's	134	208	207	188	220	224
Graduate	85	92	85	62	93	74
Penn State						
Total	10,623	11,205	11,440	11,452	11,510	11,292
Bachelor's	8,792	9,278	9,395	9,387	9,231	8,981
Graduate	1,831	1,927	2,045	2,065	2,279	2,311
Pittsburgh						
Total	6,417	6,130	6,531	6,761	6,872	6,993
Bachelor's	3,973	3,690	3,975	4,185	4,065	4,020
Graduate	2,444	2,440	2,556	2,576	2,807	2,973
Temple						
Total	5,295	5,402	5,815	5,804	5,748	5,768
Bachelor's	3,473	3,563	3,672	3,660	3,382	3,299
Graduate	1,822	1,839	2,143	2,144	2,366	2,469
State-owned						
Bloomsburg						
Total	1,380	1,432	1,517	1,568	1,593	1,543
Bachelor's	1,186	1,240	1,256	1,347	1,368	1,354
Graduate	194	192	261	221	225	189
California						
Total	1,050	1,132	1,213	1,241	1,194	1,133
Bachelor's	861	928	968	976	923	865
Graduate	189	204	245	265	271	268
Cheyney						
Total	187	211	246	238	251	268
Bachelor's	145	137	148	151	173	189
Graduate	42	74	98	87	78	79
Clarion						
Total	1,114	1,134	1,212	1,148	1,195	1,025
Bachelor's	924	952	1,030	972	1,014	858
Graduate	190	182	182	174	181	167
East Stroudsburg						
Total	902	977	992	1,063	1,023	1,103
Bachelor's	759	810	803	870	826	880
Graduate	143	167	189	193	197	223
Edinboro						
Total	1,016	1,118	1,239	1,399	1,453	1,401
Bachelor's	849	969	1,074	1,230	1,264	1,191
Graduate	167	149	165	169	169	210
Indiana						
Total	2,403	2,697	2,648	2,756	2,742	2,591
Bachelor's	1,921	2,285	2,241	2,293	2,254	2,116
Graduate	482	412	407	463	488	475
Kutztown						
Total	1,193	1,253	1,369	1,440	1,382	1,349
Bachelor's	1,076	1,071	1,162	1,204	1,199	1,153
Graduate	117	182	207	236	183	196
Lock Haven						
Total	479	533	603	615	688	639
Bachelor's	479	533	603	612	667	638
Graduate	a	a	a	3	1	1
Mansfield						
Total	507	493	610	632	656	611
Bachelor's	420	430	551	548	564	538
Graduate	87	63	59	84	92	73
Millersville						
Total	1,317	1,337	1,349	1,438	1,468	1,367
Bachelor's	1,170	1,167	1,162	1,266	1,293	1,215
Graduate	147	170	187	172	175	152
Shippensburg						
Total	1,252	1,408	1,491	1,543	1,546	1,506
Bachelor's	982	1,105	1,158	1,247	1,230	1,114
Graduate	270	303	333	296	316	392
Slippery Rock						
Total	1,210	1,329	1,375	1,478	1,374	1,381
Bachelor's	1,080	1,152	1,172	1,311	1,242	1,195
Graduate	130	177	203	167	132	186
West Chester						
Total	1,695	1,884	1,945	2,088	1,964	2,001
Bachelor's	1,427	1,526	1,598	1,718	1,666	1,620
Graduate	268	358	347	370	298	381

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, 1990 to 1995.

Historical Table 4

NUMBER AND AVERAGE WEEKLY STUDENT CONTACT HOURS OF FULL-TIME EMPLOYED FACULTY BY ACADEMIC LEVEL¹
FALL 1989 to FALL 1994

University	Full-time employed faculty ²						Undergraduate average weekly student contact hours						Graduate average weekly student contact hours					
	1989	1990	1991	1992	1993	1994	1989	1990	1991	1992	1993	1994	1989	1990	1991	1992	1993	1994
State-related																		
Lincoln	71	76	81	77	81	83	10.0	9.8	10.4	9.7	9.5	9.9	.8	.6	.5	1.1	.9	.9
Penn State	2,967	3,008	3,020	2,947	2,954	2,943	6.8	6.8	6.7	6.7	6.7	6.7	1.7	1.7	1.8	1.8	1.8	1.8
Pittsburgh	1,704	1,667	1,708	1,735	1,739	1,770	4.5	4.5	4.4	4.6	4.5	4.4	3.6	3.6	3.4	3.9	3.8	4.0
Temple	1,177	1,148	1,137	1,151	1,129	1,137	5.0	4.8	4.9	5.0	4.9	5.0	3.2	3.1	3.1	3.9	3.8	4.0
Total	5,919	5,899	5,946	5,910	5,903	5,933	5.8	5.8	5.7	5.8	5.7	5.7	2.5	2.5	2.5	2.8	2.8	2.9
State-owned																		
Bloomsburg	349	353	353	359	360	355	11.1	10.6	10.6	11.1	11.2	11.4	.7	.9	.8	.9	.8	.9
California	293	297	263	330	285	279	9.7	10.2	10.2	9.9	9.2	10.0	1.1	1.3	1.1	1.2	1.2	1.6
Cheyney	112	88	91	73	87	92	11.4	10.9	10.8	11.6	10.5	10.2	.9	1.0	.8	1.1	.8	1.0
Clarion	336	351	345	341	333	340	10.3	10.2	10.0	10.7	10.9	11.2	.7	.7	.7	.7	.9	.7
East Stroudsburg	251	254	254	260	257	258	10.6	10.4	10.7	11.1	10.9	10.9	.8	1.0	.9	.9	1.0	1.1
Edinboro	371	388	401	383	375	373	12.3	12.5	12.8	12.3	12.5	12.8	.7	.7	.6	.7	.6	.8
Indiana	680	698	697	702	692	712	10.5	10.5	10.0	9.9	10.2	9.8	1.1	1.3	1.2	1.2	1.3	1.4
Kutztown	347	380	345	345	352	358	11.7	11.2	11.4	11.5	11.5	11.4	.5	.7	.6	.6	.5	.5
Lock Haven	182	193	203	205	200	200	11.5	12.2	12.0	12.5	11.8	11.5	a	a	a	.1	.1	.1
Mansfield	170	172	171	171	175	174	10.5	11.8	10.9	10.5	10.8	11.2	.6	.5	.5	.3	.4	.4
Millersville	313	328	330	290	294	305	11.5	11.1	11.4	10.8	11.2	11.6	.7	.6	.6	.8	.7	1.0
Shippensburg	305	310	312	310	311	317	9.5	9.6	9.7	9.7	9.5	9.4	.9	.9	.9	.9	.9	.9
Slippery Rock	361	368	373	366	383	378	11.5	10.9	10.8	11.0	11.0	10.8	.7	.7	.8	.7	.7	.7
West Chester	440	433	543	548	540	538	10.2	10.2	10.4	10.6	10.8	10.8	1.7	1.6	1.6	1.6	1.6	1.5
Total	4,510	4,613	4,681	4,683	4,644	4,679	10.8	10.8	10.8	10.8	10.8	10.9	.9	.9	.9	.9	.9	1.0
All universities	10,429	10,512	10,627	10,593	10,547	10,612	7.9	7.9	7.9	7.9	7.9	7.9	1.8	1.8	1.8	2.0	2.0	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 1989 and 1990 based on the academic year; for 1991 to 1994 based on the fall term.

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

na. Not applicable.

SOURCE: Data provided by the individual universities, 1990 to 1995.

Historical Table 5

NUMBER AND AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK¹
 1989-90 to 1994-95
 (Dollars in thousands)

University	FTE instructional faculty	Average instructional salaries					No rank ²
		All faculty	Professor	Associate professor	Assistant professor	Instructor	
State-related							
Lincoln							
1989-90	101	\$24.5	\$36.0	\$29.7	\$23.4	\$16.4	\$17.4
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
Penn State							
1989-90	3,392	36.0	59.0	42.9	35.2	24.1	25.6
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	49.0	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
Pittsburgh							
1989-90	1,748	35.9	55.8	39.7	31.4	19.7	27.1
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
Temple							
1989-90	1,559	31.9	48.1	37.5	31.2	17.9	18.3
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
State-owned							
Bloomsburg							
1989-90	371	37.7	47.8	38.9	31.2	24.8	na
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
California							
1989-90	309	39.2	49.4	40.6	32.1	22.3	33.2
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
Cheyney							
1989-90	99	43.9	51.0	40.7	37.2	33.4	79.7
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
Clarion							
1989-90	345	38.3	49.5	40.2	31.8	24.3	28.4
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
East Stroudsburg							
1989-90	282	37.0	45.0	36.1	30.5	18.6	46.1
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

Edinboro								
1989-90	405	37.6	46.4	39.4	30.4	23.4	na	
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	
Indiana								
1989-90	681	39.0	47.7	39.1	32.4	23.8	26.4	
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	
Kutztown								
1989-90	354	39.8	48.9	40.5	33.2	25.8	58.0	
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	
Lock Haven								
1989-90	168	39.3	50.7	40.8	31.6	23.3	26.3	
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	
Mansfield								
1989-90	170	38.9	48.5	40.6	33.4	24.2	na	
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	
Millersville								
1989-90	355	38.6	48.5	40.5	32.5	23.7	na	
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	
Shippensburg								
1989-90	308	41.8	48.7	39.1	32.8	26.1	na	
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	
Slippery Rock								
1989-90	383	40.7	49.0	39.8	31.9	37.1	49.6	
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	
West Chester								
1989-90	556	38.6	50.2	41.6	32.0	22.8	63.5	
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	580	49.0	64.4	54.7	43.1	29.4	28.4	

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 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, 1990 to 1995.

Historical Table 6

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL¹
1989-90 to 1994-95

University	Lower division						Upper division						Total undergraduate						Master's											
	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95						
State-related																														
Lincoln	\$1,554	\$1,496	\$1,487	\$1,533	\$1,843	\$2,028	\$2,844	\$3,025	\$3,013	\$2,719	\$3,005	\$3,268	\$1,809	\$1,852	\$1,838	\$1,821	\$2,146	\$2,367	\$1,579	\$1,160	\$1,788	\$2,062	\$1,698	\$1,928						
Penn State	1,152	1,196	1,286	1,328	1,439	1,488	2,047	2,095	2,131	2,283	2,518	2,600	1,468	1,524	1,598	1,670	1,844	1,895	3,167	3,135	3,299	3,362	3,791	4,156						
Pittsburgh	1,126	1,216	1,356	1,491	1,536	1,567	2,072	2,140	2,230	2,580	2,856	3,025	1,438	1,518	1,650	1,858	1,985	2,063	3,995	4,173	4,539	4,476	4,461	4,769						
Temple	1,168	1,283	1,312	1,454	1,510	1,656	1,684	1,785	1,902	2,108	2,258	2,470	1,411	1,537	1,621	1,805	1,902	2,079	2,712	2,541	2,642	2,994	2,862	3,198						
Total	1,154	1,218	1,310	1,388	1,479	1,540	1,961	2,032	2,097	2,296	2,520	2,653	1,454	1,529	1,617	1,739	1,890	1,973	3,352	3,370	3,602	3,706	3,759	4,096						
State-owned																														
Bloomsburg	1,585	1,758	1,745	1,851	2,119	2,243	2,852	2,986	3,029	2,971	3,385	3,747	1,958	2,118	2,135	2,206	2,518	2,717	2,317	2,631	2,891	3,687	4,188	3,763						
California	1,494	1,585	1,702	1,790	2,000	2,041	2,402	2,470	2,768	3,095	3,365	3,488	1,790	1,882	2,032	2,198	2,426	2,491	3,290	3,320	3,535	3,151	3,580	3,422						
Cheyney	2,486	2,604	2,680	2,521	2,725	3,206	4,091	3,860	3,891	4,126	4,639	5,172	2,875	2,953	3,021	2,916	3,230	3,776	3,787	2,215	2,389	2,477	2,489	2,892						
Clarion	1,571	1,742	1,906	2,034	2,309	2,308	3,273	3,391	3,659	3,603	4,072	4,610	2,041	2,224	2,433	2,510	2,843	2,997	2,881	3,126	3,467	3,966	4,038	5,347						
East Stroudsburg	1,620	1,694	1,792	2,039	2,162	2,251	3,209	3,202	3,394	3,605	3,825	3,963	2,013	2,099	2,224	2,484	2,661	2,760	1,776	1,898	2,003	2,338	2,534	2,649						
Edinboro	1,734	1,740	1,800	1,879	2,058	2,288	2,924	2,930	3,230	3,289	3,833	4,001	2,047	2,072	2,222	2,317	2,613	2,826	3,802	3,780	3,713	4,198	4,485	4,508						
Indiana	1,361	1,453	1,482	1,649	1,919	1,959	2,716	2,834	3,043	3,207	3,623	4,134	1,787	1,877	1,991	2,173	2,489	2,667	3,971	4,150	4,385	4,972	5,213	5,808						
Kutztown	1,476	1,536	1,687	1,849	1,954	1,972	3,093	3,228	3,250	3,458	3,924	4,250	2,001	2,098	2,227	2,435	2,655	2,747	2,793	2,924	3,510	3,783	3,851	4,210						
Lock Haven	1,639	1,705	1,906	1,955	2,019	2,131	3,202	3,322	3,675	3,404	3,846	4,054	2,082	2,157	2,392	2,344	2,568	2,719	a	a	a	9,969	12,262	5,611						
Mansfield	1,488	1,582	1,683	1,822	1,811	2,164	3,974	3,696	3,816	4,098	4,547	4,940	2,126	2,176	2,329	2,537	2,821	3,222	2,907	3,169	3,039	3,482	3,829	4,148						
Millersville	1,599	1,722	1,934	2,036	2,429	2,554	2,779	2,934	2,901	3,123	3,341	3,548	1,941	2,075	2,236	2,406	2,732	2,912	2,026	2,387	2,481	2,542	3,397	3,545						
Shippensburg	1,737	1,884	1,940	2,004	2,243	2,277	2,852	2,963	3,048	3,611	3,894	4,076	2,022	2,181	2,252	2,471	2,705	2,788	3,693	3,787	3,620	3,348	3,333	3,929						
Slippery Rock	1,710	1,723	1,782	2,009	2,144	2,385	3,478	3,240	3,101	3,499	3,764	3,987	2,134	2,120	2,166	2,456	2,626	2,854	2,920	2,266	2,369	2,624	2,824	2,973						
West Chester	1,783	1,825	1,953	2,117	2,319	2,315	2,594	2,708	2,951	3,081	3,433	3,551	2,049	2,118	2,296	2,456	2,723	2,756	3,262	3,270	3,761	3,653	4,484	4,099						
Total	1,606	1,692	1,786	1,922	2,127	2,225	2,934	3,005	3,157	3,328	3,712	3,992	1,990	2,083	2,210	2,370	2,638	2,794	3,031	3,053	3,279	3,496	3,797	3,952						
All universities	1,373	1,452	1,544	1,648	1,796	1,872	2,343	2,421	2,524	2,722	3,009	3,204	1,697	1,785	1,890	2,030	2,234	2,349	3,232	3,247	3,478	3,629	3,773	4,045						

-42-

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, 1990 to 1995.

Historical Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER STUDENT CREDIT HOUR BY ACADEMIC DIVISION AND LEVEL¹
1989-90 to 1994-95

University	Lower division						Upper division						Total undergraduate						Master's											
	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95						
State-related																														
Lincoln	\$52	\$50	\$50	\$51	\$61	\$68	\$95	\$101	\$100	\$91	\$100	\$109	\$60	\$62	\$61	\$61	\$72	\$79	\$66	\$48	\$74	\$86	\$71	\$80						
Penn State	38	40	43	44	48	50	68	70	71	76	84	87	40	51	53	56	61	63	132	131	137	140	158	173						
Pittsburgh	38	41	45	50	51	52	69	71	74	86	95	101	48	51	55	62	66	69	166	174	189	187	186	199						
Temple	39	43	44	48	50	55	56	60	63	70	75	82	47	51	54	60	64	69	113	106	110	125	119	133						
Total	38	41	44	46	49	51	65	68	70	77	84	88	48	51	54	58	63	66	140	140	150	154	157	171						
State-owned																														
Bloomsburg	53	59	58	62	71	75	95	100	101	99	113	125	65	71	71	74	84	91	97	110	120	154	174	157						
California	50	53	57	60	67	68	80	82	92	103	112	116	60	63	68	73	81	83	137	138	147	131	149	143						
Cheyney	83	87	89	84	91	107	136	129	130	137	155	172	96	98	101	97	108	126	158	92	100	103	104	121						
Clarion	52	58	64	68	77	77	109	113	122	120	136	154	68	74	81	84	95	100	120	130	144	165	168	223						
East Stroudsburg	54	56	60	68	72	75	107	107	113	120	127	132	67	70	74	83	89	92	74	79	83	97	106	110						
Edinboro	58	58	60	63	69	76	97	98	108	110	128	133	68	69	74	77	87	94	158	156	155	175	187	188						
Indiana	45	48	49	55	64	65	91	94	101	107	121	138	60	63	66	72	83	89	165	173	183	207	217	242						
Kutztown	49	51	56	62	65	66	103	108	108	115	131	142	67	70	74	81	89	92	116	122	146	158	160	175						
Lock Haven	55	57	64	65	67	71	107	111	123	113	128	135	69	72	80	78	86	91	a	a	a	415	511	234						
Mansfield	50	53	56	61	60	72	132	123	127	137	152	165	71	72	78	85	94	107	121	132	127	145	160	173						
Millersville	53	57	64	68	81	85	93	98	97	104	111	118	65	69	75	80	91	97	84	100	103	106	142	148						
Shippensburg	58	63	65	67	75	76	95	99	102	120	130	136	67	73	75	82	90	93	154	158	151	139	139	164						
Slippery Rock	57	57	59	67	71	80	116	108	103	117	125	133	71	71	72	82	88	95	122	95	99	109	118	124						
West Chester	59	61	65	71	77	77	86	90	98	103	114	118	68	71	77	82	91	92	136	136	157	152	187	171						
Total	54	56	60	64	71	74	98	100	105	111	124	133	66	69	74	79	88	93	126	127	137	146	158	165						
All universities	46	48	51	55	60	62	78	81	84	91	100	107	57	59	63	68	74	78	135	135	145	151	157	169						

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, 1990 to 1995.

Historical Table 8

AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL¹
1989-90 to 1994-95

University	Lower division						Upper division						Total undergraduate						Master's					
	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
State-related																								
Lincoln	21	22	23	24	21	20	13	13	13	15	14	13	19	19	20	21	19	18	15	16	14	14	16	14
Penn State	31	31	31	31	30	30	28	28	29	27	27	26	30	30	30	30	29	29	15	14	14	14	14	14
Pittsburgh	32	30	31	31	29	29	26	25	28	27	26	24	30	28	30	29	28	27	18	17	18	19	18	18
Temple	27	26	27	27	27	26	25	24	25	24	23	22	26	25	26	25	25	24	14	15	16	16	16	15
Total	30	30	30	30	29	29	26	26	27	26	25	24	29	28	29	28	28	27	15	15	16	16	16	16
State-owned																								
Bloomsburg	25	26	25	25	23	23	16	18	18	18	17	16	21	23	23	22	21	20	13	13	13	11	10	11
California	30	28	29	29	31	31	19	19	18	18	19	18	25	24	25	24	26	25	11	11	11	13	13	14
Cheyney	20	21	22	23	22	19	11	15	15	14	12	12	17	19	20	20	18	16	14	19	18	18	17	15
Clarion	36	34	33	33	32	32	16	16	15	17	17	15	27	25	25	26	25	24	13	13	12	13	14	11
East Stroudsburg	29	28	28	27	27	28	16	17	17	17	18	18	24	24	24	23	24	24	20	23	23	19	18	19
Edinboro	26	27	26	28	26	26	15	16	17	18	17	17	22	23	23	24	23	22	9	9	10	10	9	10
Indiana	31	32	32	30	29	29	17	17	17	17	16	15	25	25	25	24	23	22	9	9	10	10	9	10
Kutztown	30	29	28	28	28	29	16	16	16	17	16	15	24	23	23	23	22	22	13	13	13	12	13	12
Lock Haven	28	28	27	28	29	28	13	12	12	17	13	17	21	20	20	24	21	24	a	a	a	4	3	15
Mansfield	29	28	27	27	28	26	9	10	9	10	9	8	18	18	17	17	16	14	9	9	9	9	8	8
Millersville	24	23	25	26	25	25	13	14	17	17	19	19	19	19	22	22	22	23	12	13	14	14	14	13
Shippensburg ²	29	28	29	28	28	28	19	20	21	16	16	17	25	25	26	23	23	23	10	13	14	14	15	14
Slippery Rock	29	30	31	31	31	30	14	16	17	16	16	16	24	25	25	25	24	24	15	18	18	17	17	18
West Chester	24	24	24	24	23	23	16	16	16	15	15	14	21	20	20	20	19	19	11	12	11	12	10	10
Total	28	28	28	28	27	27	15	16	16	16	16	15	23	23	23	23	22	22	11	12	13	13	12	12
All universities	29	29	29	29	28	28	21	21	21	21	20	20	26	25	26	25	25	24	14	14	14	15	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.

SOURCE: Data provided by the individual universities, 1990 to 1995.

Historical Table 9

COMMONWEALTH INSTRUCTIONAL APPROPRIATIONS¹
1989-90 to 1994-95
(in millions)

University	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
State-related						
Lincoln	\$9.0	\$9.0	\$9.3	\$9.3	\$9.4	\$9.6
Penn State	178.6	181.1	189.3	189.3	198.5	207.7
Pittsburgh ²	114.6	115.1	119.3	119.3	123.4	127.5
Temple	123.3	123.3	128.1	128.1	131.7	134.6
Total	425.5	428.5	446.0	446.0	463.0	479.4
State-owned						
Bloomsburg	26.0	26.3	28.3	27.3	28.5	29.6
California	21.6	22.6	24.3	23.4	24.5	25.4
Cheyney	12.5	12.5	12.8	12.3	12.5	12.7
Clarion	23.3	23.8	25.6	24.7	25.8	26.8
East Stroudsburg	18.8	19.1	20.6	19.9	20.6	21.4
Edinboro	23.4	24.4	26.3	25.4	26.6	27.6
Indiana	47.1	47.4	51.0	49.3	51.7	53.7
Kutztown	24.5	25.1	27.1	26.1	27.2	28.3
Lock Haven	14.0	14.3	15.4	14.9	15.5	16.1
Mansfield	14.0	13.9	15.1	14.6	15.0	15.6
Millersville	25.8	26.5	28.6	27.6	28.7	29.8
Shippensburg	23.0	23.0	24.8	23.9	25.0	25.9
Slippery Rock	25.6	26.2	28.3	27.3	28.4	29.6
West Chester	35.4	36.4	39.3	37.9	39.3	40.9
Total ³	335.0	341.5	367.5	354.6	369.3	383.4
All universities ³	760.5	770.0	813.5	800.6	832.3	862.8

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

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*, 1991-92 to 1995-96, State System of Higher Education, Commonwealth of Pennsylvania, 1990 to 1995; and individual State-related universities, 1992 to 1995.

Historical Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS
BY ACADEMIC LEVEL AND RESIDENCE
1989-90 to 1994-95

University	Undergraduate		Graduate ¹	
	In-State	Out-of-State	In-State	Out-of-State
State-related				
Lincoln				
1989-90	\$2,400	\$3,500	\$3,250	\$4,850
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
Penn State				
Main Campus				
1989-90	3,754	7,900	4,198	8,388
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
Pittsburgh				
Main Campus				
1989-90	4,086	8,106	5,046	9,876
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
Temple				
1989-90	4,046	7,308	4,610	5,786
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
State-owned				
Bloomsburg				
1989-90	2,398	4,254	2,288	2,758
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
California				
1989-90	2,548	4,404	2,548	2,968
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
Cheyney				
1989-90	2,388	4,244	2,303	2,723
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
Clarion				
1989-90	2,418	4,274	2,328	2,748
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
East Stroudsburg				
1989-90	2,392	4,248	2,324	2,740
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

Edinboro					
1989-90	2,438	4,294	2,432	2,852	
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	
Indiana					
1989-90	2,484	4,340	2,404	2,728	
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	
Kutztown					
1989-90	2,380	4,236	2,250	2,670	
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	
Lock Haven					
1989-90	2,358	4,214	a	a	
1990-91	2,468	4,502	a	a	
1991-92	3,020	5,397	a	a	
1992-93	3,261	6,855	3,261	4,729	
1993-94	3,509	7,907	3,509	5,751	
1994-95	3,662	8,896	3,662	6,366	
Mansfield					
1989-90	2,435	4,309	2,318	2,738	
1990-91	2,587	4,621	2,452	3,058	
1991-92	2,947	5,211	2,812	3,538	
1992-93	3,188	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	
Millersville					
1989-90	2,536	4,392	2,457	2,877	
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	
Shippensburg					
1989-90	2,444	4,300	2,338	2,758	
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	
Slippery Rock					
1989-90	2,504	4,360	2,504	2,924	
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	
West Chester					
1989-90	2,398	4,254	2,398	2,818	
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	

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, 1989-90 to 1994-95*.

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:

$$\frac{\text{FTE Instructional faculty salaries}}{\text{Student credit hours}} = \left(\frac{\text{Number of FTE instructional faculty}}{\text{Number of courses}} \times \frac{\text{Average course (assigned) credit value}}{\text{Average course (assigned) credit value}} \right) \times \left(\frac{\text{Average FTE instructional faculty salary}}{\text{Average class (section) size}} \times \frac{\text{Number of classes (sections)}}{\text{Number of courses}} \right)$$

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).

