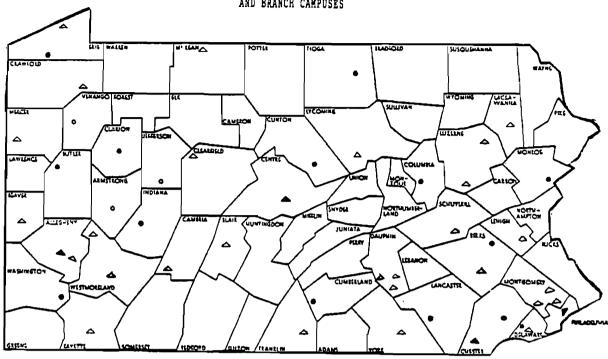
INSTRUCTIONAL OUTPUT AND FACULTY SALARY COSTS OF THE STATE-RELATED AND STATE-OWNED UNIVERSITIES

Analysis of 1989-90 Data Reported Under 1989 Appropriations Acts and Public School Code

Staff Report
General Assembly of the Commonwealth of Pennsylvania
JOINT STATE GOVERNMENT COMMISSION
108 Finance Building
Harrisburg, Pennsylvania
February 1991

STATE-RELATED AND STATE-OWNED UNIVERSITIES AND BRANCH CAMPUSES



- ▲ State-related university
- A Branch of State-related university
- ·State-owned university
- OBranch of State-owned university

State-Related Universities

Penn State (Centre) Allentown Campus (Lehigh) Altoona Campus (Blair) Beaver Campus (Beaver) Behrend College (Erie) Berks Campus (Berks) Capitol Campus (Dauphin) Delaware Campus (Delaware) DuBois Campus (Clearfield: Payette Campus (Fayette) Hazleton Campus (Luzerne) Hershey Medical Center (Dauphin) King of Prussia Center for Graduate Studies (Montgomery) McReesport Campus (Allegheny) Mont Alto (Franklin) New Kensington (Westmoreland) Ogontz Campus (Montgomery) Pennsylvania College of Technology (Lyconing)

Penn State (Centre) (cont.) Schuylkill Campus (Schuylkill) Shenango Valley Campus (Mercer) University Center at Harrisburg (Dauphin) Wilkes-Barre Campus (Luzerne) Worthington Scranton Campus (Lackawanna) York Campus (York) Pittsburgh (Allegheny) Bradford Campus (McKean) Greenshurg Campus (Westmoreland) Johnstown Campus (Cambria) Titusville Campus (Crawford) Temple (Philadelphia) Ambler Campus (Montgomery) University Center at Harrisburg (Dauphin) Lincoln (Chester)

State-Owned Universities

Bloomsburg (Columbia: California (Washington) Cheyney (Delaware) Clarion (Clarion) Venango Campus (Venango) Hast Stroudsburg (Monroe) Edinboro (Erie) Indiana (Indiana)

Armstrong Campus (Armstrong) Punxsutawney Campus (Jefferson)

Kutztown (Berks) Lock Baven (Clinton) Mansfield (Troga) Millersville (Lancaster) Shippensburg (Cumberland) Slippery Rock (Butler) West Chester (Chester)

This 18th annual report summarizes the instructional outputs, instructional faculty salary costs, tuitions and appropriations for Pennsylvania's State-related and State-owned universities—the Commonwealth's public universities.

Levels of data for 1989-90, and data trends for the past five years 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 appropriation data are combined for the computation of a measure of cost sharing: the percentage of total instructional revenues covered by instructional appropriations.

The data are 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.

WM. H. NAST Director Joint State Government Commission

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I. DATA HIGHLIGHTS

- 1. In Fall 1989, a total of 556,927 full— and part-time students were enrolled in the 146 public and private colleges and universities in Pennsylvania. About 239,311 (43 percent) of this total were enrolled in the Commonwealth's public universities: 142,943 students (26 percent) in the 4 State-related universities, and 96,368 (17 percent) in the 14 State-owned universities. The public universities are shown on page if. Compared to Fall 1988, total student enrollments in all of Pennsylvania's colleges and universities increased by about 3 percent, and in the Commonwealth's public universities by about 4 percent.
- 2. During the 1989-90 school year, ² a total of over 6 million undergraduate and graduate student credit hours (SCH) was generated by the public universities. These SCH were the equivalent of 211,233 full-time students: 120,975 full-time equivalent (FTE) students (57 percent) at the State-related universities, and 90,258 (43 percent) at the State-owned universities.³ (Table 1) Like student enrollments, FTE students at the public universities increased by about 3 percent over the previous year; therefore, the aggregate full- and part-time student mix was not altered appreciably. FTE students vary considerably by academic level at the individual institutions.

¹Pennsylvania Department of Education, <u>Colleges and</u> Universities <u>Fall Enrollments</u>, 1989.

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

hours by 24.

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 1989-90 school year includes the summer and fall terms of 1989 plus the spring term of 1990.

At Pittsburgh and Temple, 4 about three-quarters of the FTE students are undergraduates; both institutions have first-professional programs in dentistry and law. In contrast, the proportion of undergraduate FTEs is 85 percent at Lincoln, and about 90 percent at Penn State and the State-owned group. (Table 2) Likewise, the public universities offer diverse programs to students. Most of the institutions have large programs in business and either education or engineering, in addition to letters, mathematics, and the physical or social sciences. The State-owned institutions have specialized program missions. (Tables 3A through 3E)

- 3. During the 1989-90 school year, the public universities conferred 38,249 bachelor's and graduate degrees (not including medical degrees): 22,554 degrees (59 percent) by the State-related universities, and 15,695 (41 percent) by the State-owned universities. Total degrees had a one-year increase of 3 percent. (Table 4)
- 4. Over the past 5 years (since 1984-85), the number of public university FTE students has increased by almost 11 percent, while the Commonwealth's population of 18-to-24-year-olds has decreased by over 13 percent. The FTE student increase would appear to be attributable to a larger percentage of Pennsylvania's college-age population attending the public universities, plus an increase in the enrollment of older students.

⁴Beginning with the summer session of 1988, Temple University began introducing a new Core Curriculum, which impacts upon several undergraduate level measures included in this report: undergraduate classroom and individual instruction student credit hours (FTE students), and student contact hours, are all lower as a result. Five-year comparisons are made for Temple; however, consideration must be given to this structural change in evaluating data changes.

⁶All of the public universities also award associate degrees. Associate degrees are not included in this report.

⁵Tables 3A the Classification through 3E employ Instructional Programs (CIP) taxonomy. The CIP taxonomy was introduced by the U.S. Department of Education's National Center for Education Statistics in 1981. This report utilizes an aggregation of two-digit CIP, each of which corresponds to one or more academic departments or program areas within individual institutions. The CIP groupings are used to facilitate comparisons between institutions, given the large array of departments and programs which exist in the Commonwealth's public universities.

- 5. In Fall 1989, 10,429 teaching and research faculty were employed full-time by Pennsylvania's public universities: 5,919 full-time faculty (57 percent) by the State-related universities, and 4,510 (43 percent) by the State-owned universities. The overall workweek reported by these faculty averaged 53.1 hours: 51.7 total hours at the State-related universities, and 55.3 total hours at the State-owned universities. Hours spent in undergraduate and graduate classroom and individual instruction contact with students averaged 8.3 per week for the State-related group, and 11.7 per week for the State-owned group. (Table 5) Since 1984-85, average total workweeks for both full-time faculty groups have remained almost constant, but average student contact hours have fallen about one hour per week.
- 6. During the 1989-90 school year, the <u>full- and part-time</u> instructional faculty employed by the public universities were the equivalent of 11,586 full-time faculty: 6,800 FTE faculty (59 percent) at the State-related universities, and 4,786 (41 percent) at the State-owned universities. The total FTE faculty had a one-year increase of 2 percent. The salary for these faculty averaged \$34,800 and \$39,000 for the two public university groups, respectively. The average salary had a

⁸Full-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.

⁹For fiscal year 1989, instructional faculty salaries comprised over 38 percent of total expenditures for "instruction" for the State-related group, and almost 61 percent for the State-owned group, as reported in the Integrated Postsecondary Education Data System (IPEDS). IPEDS data provided by the Pennsylvania Department of Education.

⁷Faculty 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.

one-year increase of almost 7 percent. 10 The State-owned universities tend to utilize relatively more higher-ranked FTE instructional faculty--professors and associate professors--than do the larger State-related universities; Penn State, Pittsburgh and Temple provide a significant amount of instruction using instructors and non-ranked persons (largely graduate teaching assistants). (Table 6)

- 7. Since 1984-85, the average salary for the FTE instructional faculty has increased by about \$8,600 (33 percent) at the State-related universities, and about \$9,900 (34 percent) at the State-owned universities. The relative increase in average salary for the State-owned group has tended to widen the gap in average salaries between the two groups of FTE faculty.
- 8. During the 1989-90 school year, the ratio of FTE students to FTE instructional faculty averaged 17.8 for the State-related universities (a one-year increase of about 1 percent), and 18.9 for the State-owned universities (no change). (Tables 1 and 6).
- 9. During the 1989-90 school year, the average instructional faculty salary costs per FTE student for the State-related university group were: undergraduate level, \$1,454; and master's level, \$3,352. For the State-owned group the FTE salary costs for the same levels were \$1,990 and \$3,031, respectively. (Table 7) First professional FTE salary costs averaged \$1,476 at Pittsburgh and \$3,157 at Temple; doctoral FTE salary costs averaged \$10,168 at Penn State, \$9,309 at Pittsburgh and \$5,425 at Temple. Statistical analysis has shown that FTE salary cost varies directly with FTE instructional faculty salaries, and inversely with class (section) average sizes and the number of classes (sections) offered per course. Since 1984-85, undergraduate FTE salary costs have increased by about 26 percent for the State-related group, and increased by about 31 percent for the State-owned group. FTE salary cost also varies considerably by program area. (Tables 8A through 8E)

¹⁰ Caveat: Average instructional salaries are computed by dividing each institution's total instructional salaries for each academic rank by the respective number of FTE faculty. Therefore, changes in average salaries do not necessarily correspond to general salary changes for all faculty members in a given institution. Average salary changes also reflect changes in the rank distribution of faculty.

- 10. Regression analysis applied to the 1989-90 FTE salary cost, class size and instructional faculty salary data for the public universities indicates that the total cost savings from decreasing FTE instructional faculty average salaries by \$1,000 at these institutions could be expected to be about \$10 million, and from increasing average class (section) sizes by one student almost \$13 million. 11
- 11. The average undergraduate class (section) size is 19 at Lincoln, 30 at Penn State and Pittsburgh, 26 at Temple, and 23 at the State-owned universities. Since 1984-85, average undergraduate class sizes have remained fairly steady. (Table 9)
- During the 1989-90 school year, the tuition and required fees for full-time in-State undergraduate students averaged \$3,572 at the State-related universities, and \$2,437 at the State-owned universities. These tuition and fees had one-year increases of 4 percent for both groups. At Lincoln, tuition and fees for nonresident full-time undergraduates exceeded those for residents by about 46 percent, and for graduates by about 49 percent. At Penn State and Pittsburgh, tuition and fees for nonresident full-time undergraduates and graduates were approximately double At Temple, the out-of-state premium was those for residents. about 81 percent for full-time undergraduates and 26 percent for full-time graduates. For the State-owned group, nonresident undergraduates paid about 76 percent more, but nonresident graduates only about 18 percent more, than Pennsylvania residents. (Table 10)
- 13. For fiscal year 1989-90, the public universities collected almost \$818 million in tuition and fee revenues. These revenues per FTE student averaged \$3,150 at Lincoln, \$4,580 at Penn State, \$5,260 at Pittsburgh, \$4,890 at Temple, and \$2,630 at the State-owned universities. Since 1984-85, per student revenues have grown by about 50 percent at the State-related universities, and about 60 percent at the State-owned universities. (Table 11)
- 14. For fiscal year 1989-90, the Commonwealth's General Fund appropriations to the public universities for instruction totaled

¹¹The details of the regression analysis 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.

\$745 million: \$410 million (55 percent) to the State-related universities and \$335 million (45 percent) to the State-owned universities. 12 These appropriations represent about 87 percent of the total appropriations made specifically for instruction to the public universities and community colleges, and about 70 percent of the total appropriations made for all purposes to all colleges and universities and private Commonwealth. Instructional appropriations included educational and general appropriations, 13 and Tuition Challenge Grants. Total instructional appropriations increased by 9 percent over the previous year. The average appropriation per FTE student was \$3,390 for the State-related group (a one-year increase of 7 percent) and \$3,710 for the State-owned group (a one-year increase of 4 percent). (Table 12) In addition to the appropriations made directly to the public universities, a General Fund appropriation to the Pennsylvania Higher Education Assistance Agency of over \$55 million went to students at the public universities through various PHEAA grant and matching-fund programs. 14

15. During the 1989-90 school year, on an FTE student basis, the ratio of instructional State appropriations to tuition and fee revenues plus instructional State appropriations averaged 41 percent for the State-related university group, and 59 percent for the State-owned university group. (Table 13) Since 1984-85, again on an FTE student basis, average direct Commonwealth instructional appropriations to the public universities have increased at a lesser percentage than average tuition and fee revenues collected by these institutions. Hence, the percentage of total instructional revenues from State appropriations has decreased, causing the student share of instructional cost to increase for all of the public universities except Lincoln.

14Data furnished by the Pennsylvania Higher Education Assistance Agency.

¹²The Commonwealth appropriation to the State System of Higher Education included here does <u>not</u> include amounts appropriated for either the Board of Governors/Chancellor's Office or the System Reserve.

¹³⁰ver 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. In this report, total educational and general appropriations are regarded as "instructional" and used for comparisons, because these appropriations are available to the public institutions for instructional purposes.

II. CURRENT-YEAR DATA

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Table 1

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL¹

1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

	_	Tot	al			Undergr	aduate			Gradu	ate ²	
			Percen	tage change	-			tage change				tage change
Institution	FTE students	One-year change	One- year	Five-year average	FTE students	One-year change	One- year	Five-year average	FTE students	One-year change	One- year	Five-year average
State-related												-
Lincoln	1,394	77	6%	3%	1,171	55	5%	1%	223	22	11%	12%
Penn State	62,839	744	1	2	56,641	370	1	2	6,198	374	6	5
Pittsburgh	29,737	466	2	a	22,107	293	i	ī	7,630	173	2	a
Temple	27,005	552	2	3	20,898	284	i	3	6,107	268	5	1
Total	120,975	1,839	2	2	100,817	1,002	1	2	20,158	837	4	2
State-owned												
Bloomsburg	7,058	264	4	3	6,631	231	4	3	427	33	8	7
California	6,264	267	4	7	5,673	164	3	6	591	103	21	12
Cheyney	1,433	192	15	-4	1,204	123	11	-6	229	69	43	39
Clarion	6,312	28	a	2	5,916	27	a	2	396	1	a	6
East Stroudsburg	5,250	426	9	5	4,634	290	7	4	616	136	28	16
Edinboro	7,098	425	6	5	6,695	416	7	5	403	9	2	4
Indiana	13,698	533	4	1	12,748	391	3	1	950	142	18	4
Kutztown	6,913	381	6	5	6,557	328	5	4	356	53	17	11
Lock Haven	3,176	206	7	4	3,176	206	7	4	b	ь	ь	ь
Mansfield	3,035	205	7	2	2,838	193	7	1	197	12	6	7
Millersville	7,030	116	2	3	6,266	182	3	2	764	-66	-8	12
Shippensburg	5,978	77	1	1	5,513	94	2	2	465	17	-4	-2
Slippery Rock	7,124	177	3	3	6,648	50	1	3	476	127	36	12
West Chester	9,889	306	3	4	8,898	241	3	3	991	65	7	9
Total	90,258	3,603	4	3	83,397	2,936	4	3	6,861	667	11	8
All institutions	211,233	5,442	3	2	184,214	3,938	2	2	27,019	1,504	6	3

^{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.

SOURCE: Reports provided by the individual institutions, 1985 to 1990.

^{2.} In addition to the 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 program is not included because of its very small size.

Table 2

FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC DIVISION AND LEVEL
1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

	Low	<u>er divi</u>		Upp	<u>er divi</u>			s	First professional and doctor			
	FTE		tage change	CT+		<u>tage_change</u>			<u>tage change</u>	FTE		tage change
Institution	students	year One-	Five-year average	FTE students	One- year	Five-year average	FTE students	One- year	Five-year average	students	One- year	Five-year average
State-related												
Lincoln	940	5%	1%	231	3%	3%	223	11%	12%	na	na	na
Penn State	36,601	-3	ŗ	20,040	8	2	3,457	7	11	2,741	5%	1%
Pittsburgh	14,817	2	1	7,290	a	a	4,727	a	a	2,903	6	-1
Temple	11,073	1	3	9,825	2	3	3,130	8	3	2,977	1	- T
Total	63,431	-1	1	37,386	5	2	11,537	5	3	8,621	4	a
State-owned												
Bloomsburg	4,680	3	2	1,951	5	3	427	8	7	na	na	na
California	3,823	2	4	1,850	6	13	591	21	12	na	na	na
Cheyney	912	7	-6	292	26	-5	229	43	39	na	na	na
Clarion	4,282	a	1	1,634	j	3	396	a	6	na	na	na
East Stroudsburg	3.489	6	4	1,145	9	2	616	28	16	na	na	na
Edinboro	4,936	8	5	1,759	4	4	403	2	4	na	na	na
Indiana	8,743	4	1	4,005	2	1	950	18	4	b	Ь	b
Kutztown	4,428	4	4	2,129	8	5	356	17	11	na	na	па
Lock Haven	2,276	6	4	900	9	3	c	С	c	na	na	na
Mansfield	2,109	6	1	729	10	1	197	6	7	na	na	na
Millersville	4,451	2	a·	1,815	6	10	764	-8	12	na	na	na
Shippensburg	4,105	3	2	1.408	-2	1	465	-4	-2	na	na	na
Slippery Rock	5,052	1	3	1,596	0	3	476	36	12	na	na	na
West Chester	5,978	a	2	2,920	9	8	991	7	9	na	na	na
Total	59,264	3	2	24,133	5	4	6,861	11	8	na	na	na
All institutions	122,695	1	2	61,519	5	3	18,398	7	5	8,621	4	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.

SOURCE: Reports provided by the individual institutions, 1985 to 1990.

^{2.} Excludes medical school data.

a. Rounds to less than 1 percent.

b. Included in master's level.

c. The master's program is not included because of its very small size.

na. Not applicable.

Table 3A LINCOLN UNIVERSITY

NUMBER AND PERCENTAGE DISTRIBUTION OF FULL—TIME EQUIVALENT STUDENTS
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION

OUTPIT

OUTPI 1989-90

				Underg	<u>raduate</u>			
CIP Classification	Total	Percent- age of total	Lower division	Percent- age of total		Percent- age of total	Graduate ³	Percent- age of total
Agriculture								
Architecture and								
environmental design								
Area and ethnic studies								
Business	113	8%	51	5%	62	27%		
Communications								
Computer and information sciences						~		
Consumer, personal and								
miscellaneous services								
Education	225	16	197	21	28	12		
Engineering								
Foreign languages	67	5	56	6	11	5		
Health								
Home economics								
Industrial arts								
Law								
Letters	175	13	157	17	18	8		
Liberal/general studies								
Library and archival sciences								
Life sciences	83	6	74	8	9	4		
Mathematics	159	11	147	16	12	5		
Military sciences								
Multi/interdisciplinary studies	3	a	3	a				
Parks and recreation					·			
Personal and social development								
Philosophy, religion and theology	50	4	49	5	1	a		
Physical sciences	74	5	61	6	13	Ğ.		
Psychology	51	4	36	4	15	ő		
Public affairs and	٥,	,	50	•		Ū		
protective services	223	16					223	100%
Social sciences	171	12	109	12	62	27		
Trade and industrial								
Visual and performing arts								
Other								
Total ⁴	1,394	100	940	100	231	100	223	100

l. 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.

SOURCE: Reports provided by Lincoln University, 1990.

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

Graduate includes master's level only.
 Because of rounding, CIP detail may not sum to total.
 Rounds to less than 1 percent.

Table 3B THE PENNSYLVANIA STATE UNIVERSITY NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION 2 1989-90

				Underg	raduate			
		Percent-		Percent-		Percent-		Percent-
CIP Classification	Total	age of total	Lower division	age of total	Upper division	age of total	Graduate ³	age of total
Agriculture	720	1%	153	a	455	2%	112	2%
Architecture and								
environmental design	525	1	298	1%	218	1	9	a
Area and ethnic studies	276	a	155	a	90	a	31	ו
Business	7,741	12	2,725	7	4,281	21	735	12
Communications	894	1	269	ī	610	3	15	a
Computer and information sciences Consumer, personal and	1,383	2	1,040	3	209	Ĭ	134	Ž
miscellaneous services								
Education	5,636	9	2,089	6	1,993	10	1,554	25
Engineering	5,659	9	1,499	4	2,904	14	1,256	20
Foreign languages	2,020	3	1,585	4	341	2	94	2
mealth Total	718	1	229	1	452	2	37]
Home economics	1,241	2	748	2	367	2	126	2
Industrial arts								
Law								
Letters	6,264	10	4,136	11	1,862	9	266	4
Liberal/general studies	56	a	30	a	26	ā		
Library and archival sciences	8	ã	2	ă	. 6	ă		
Life sciences	3,127	5	2,244	6	667	3	216	3
Mathematics	5,871	9	5,021	14	668	3	182	3
Military sciences	147	a	74	a	73	a		
Multi/interdisciplinary studies	1,115	2	531	ຳ	440	2	144	2
Parks and recreation	231	a	23	a	184	1	24	a.
Personal and social development		_	23 		104	1		_~
	872		708		129		35	
Philosophy, religion and theology		١		2		1		
Physical sciences	4,940	8	3,872	1]	577	3	491	8
Psychology Public affairs and	1,926	3	1,295	4	477	2	154	2
protective services	841	1	173	a	445	2	223	4
Social sciences	7,105	11	4,864	13	1,967	10	274	4
Trade and industrial	332	1	332	<u>]</u>				
Visual and performing arts	3,196	5	2,506	7	601	3	8 9	1
Other								
Total ⁴	62,839	100	36,601	100	20,040	100	6,198	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

SOURCE: Reports provided by The Pennsylvania State University, 1990.

credit hours by 24.

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

Graduate includes master's and/or doctor's levels, and excludes medical school data.
 Because of rounding, CIP detail may not sum to total.
 Rounds to less than 1 percent.

Table 3C UNIVERSITY OF PITTSBURGH
NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION 1989-90

				Underg	raduate				
		Percent-		Percent-		Percent-		Percent-	
CIP Classification	Total	age of total	Lower division	age of total	Upper division	age of total	Graduate ³	age of total	
Agriculture					W				
Architecture and environmental design									
Area and ethnic studies	241	1%	161	1%	76	1%	4	a	
Business	2,431	8	333	2	794	11	1,304	17%	
Communications	54	ā	3	a	26	a	25	a	
Computer and information sciences	931	3	551	4	185	3	195	3	
Consumer, personal and miscellaneous services	, , , , , , , , , , , , , , , , , , ,						133		
Education	1,890	6	308	2	470	6	1,112	15	
	1,090	6	517	3	685			6	
Engineering	1,690	4		5 6	216	9	488 60	ו	
Foreign languages	1,116		840			.3			
Health	2,738	9	266	2	1,109	15	1,363	18	
Home economics	109	ā	1	a	76	7	32	à	
Industrial arts									
Law	1,041	4					1,041	14	
Letters	3,627	12	2,324	16	1,082	15	221	3	
Liberal/general studies									
Library and archival sciences	163	ו					163	2	
Life sciences	846	3	578	4	189	3	79	1	
Mathematics	1,882	6	1,575	11	218	3	89	1	
Military sciences	21	a	15	a	6	a			
Multi/interdisciplinary studies	234	1	128	1	86	1	20	a	
Parks and recreation									
Personal and social development									
Philosophy, religion and theology	700	2	553	4	93	1	54	1	
Physical sciences	2,263	8	1,820	12	124	2	319	4	
Psychology	1,704	6	1,274	9	318	4	112	ĺ	
Public affairs and	.,	_	.,	-	0.0	•		•	
protective services	1,167	4	136	1	346	5	685	9	
Social sciences	3,768	13	2,570	17	997	14	201	ž	
Trade and industrial	3,700		2,370						
Visual and performing arts	1,122	4	865	6	194	3	63	۱	
Other								- -	
Total ⁴	29,737	100	14,817	100	7,290	100	7,630	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.

SOURCE: Reports provided by University of Pittsburgh, 1990.

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

Graduate includes master's, first professional (excluding medical school) and/or doctor's levels.
 Because of rounding, CIP detail may not sum to total.
 Rounds to less than 1 percent.

Table 3D TEMPLE UNIVERSITY NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS 1 BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION 2 1989-90

				Under	raduate			
CIP Classification	Total	Percent- age of total	Lower division	Percent- age of total	Upper division	Percent- age of total	Graduate ³	Percent- age of total
Agriculture	140	1%	79	1%	60	1%	1	a
Architecture and						-		
environmental design								
Area and ethnic studies	263	1	131	1	85	1	47	1%
Business	4,168	15	1,297	12	2,203	22	668	וו
Communications	1,065	4	417	4	518	5	130	2
Computer and information sciences Consumer, personal and	534	2	223	2	197	2	114	2
miscellaneous services								
Education	3,034	11	730	7	967	10	1,337	22
Engineering	8 75	3	304	3	526	5	45	7
Foreign languages	856	3	545	5	261	3	50	1
Health	1,614	6	83	ı	689	7	842	14
Home economics								
Industrial arts								
Law	1,316	5	б	a	7	a	1,303	21
Letters	2,404	9	1,656	15	615	6	133	2
Liberal/general studies	298	ì	248	2	49	a	1	a
Library and archival sciences					-			
Life sciences	809	3	274	2	400	4	135	2
Mathematics	1,446	5	1,103	10	267	3	76	ī
Military sciences	6	ā	4	a	2 2	a		
Multi/interdisciplinary studies	12	a	12	à	-			
Parks and recreation	182	ำ	64	î	93	1	25	a
Personal and social development	6	à	6	å			23	
Philosophy, religion and theology	624	2	356	3	182	2	86	1
Physical sciences	987	4	609	5	282	3	96	2
Psychology	876	3	439	4	354	4	8 3	1
Public affairs and	6/6	3	439	4	334	4	63	
	017	2	206	2	200	•	311	-
protective services	817	3 11	206	2 14	300	3 12	347	5 6
Social sciences	3,040		1,561		1,132	. –	•	O
Trade and industrial	1 637		721	- <u>-</u> 7	640		276	
Visual and performing arts Other	1,637	6	721 		640 	7		5
Total ⁴	27,005	100	11,073	100	9,825	100	6,107	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

SOURCE: Reports provided by Temple University, 1990.

credit hours by 24.
2. Classification of Instructional Programs, U.S. Department of Education, National Center for Education Statistics.

Graduate includes master's, first professional (excluding medical school) and/or doctor's levels.
 Because of rounding, CIP detail may not sum to total.
 Rounds to less than 1 percent.

Table 3E STATE-OWNED UNIVERSITIES NUMBER AND PERCENTAGE DISTRIBUTION OF FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION 2 1989-90

				Underg	raduate			
		Percent-		Percent-		Percent-	:	Percent-
		age of	Lower	age of	Upper	age of	3	age of
CIP Classification	Total	total	division	total	division	total	Graduate ³	total
Agriculture	30	a	20	a	7	à	3	a
Architecture and								
environmental design	4	a	3	a	1	a		
Area and ethnic studies	152	a	94	a	50	a	8	a
Business	9,089	10%	3,871	7%	4,848	20%	370	5%
Communications	2,795	3	1,717	3	980	4	98	1
Computer and information sciences	2,057	2	1,598	3	302	1	157	2
Consumer, personal and								
miscellaneous services								
Education	17,577	19	6,528	11	7,308	30	3,741	55
Engineering	283	a	97	a	151	1	35	1
Foreign languages	2,383	3	2,010	3	343	1	30	a
Health	1,611	2	350	1	944	4	317	5
Home economics	602	ו	279	a	295	1	28	à
Industrial arts	294	a	148	a	117	a	29	a
Law	162	a	106	a	44	a	12	a
Letters	9,168	10	7,538	13	1,320	5	310	5
Liberal/general studies	• 197	a	190	a	7	a		2 2 2 2
Library and archival sciences	290	a	52	a	72	a	166	2
Life sciences	4,052	4	3,382	6	543	2	127	2
Mathematics	5,891	7	5,135	9	616	3	140	2
Military sciences	206	a	137	a	69	a		
Multi/interdisciplinary studies	241	a	108	a	59	a	74	1
Parks and recreation	315	a	180	a	116	a	19	a
Personal and social development	522	1	391	1	118	a	13	a
Philosophy, religion and theology	1,728	2 5	1,566	3	143	1	19	a
Physical sciences	4,758		4,204	7	454	2	100	1
Psychology	4,968	6	3,333	6	1,080	4	55 5	8
Public affairs and	1 040	•	614	•	FF0	•	60	,
protective services	1,240]	614	10	558	2	68	1
Social sciences	13,821	15	10,931	18	2,594	11	296	4
Trade and industrial	29	a	7	a	22	a	7.45	
Visual and performing arts	5,671	6	4,561	8	965	4	145	2
Other	125	a	111	a	8	a	6	ā
Total ⁴	90,258	100	59,264	100	24,133	100	6,861	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.

4. Because of rounding, CIP detail may not sum to total.
a. Rounds to less than 1 percent.

SOURCE: Reports provided by the individual State-owned institutions, 1990.

^{3.} Graduate includes master's level at all institutions except Lock Haven (which is not included because of its very small size) and doctor's level at Indiana.

Table 4 DEGREES CONFERRED 1 1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

		_Tot	a1			Bache	lor's			Grad	uate ²	
			Percen	tage change				tage change			Percen	tage change
Institution	Degrees	One-year change	One- year	Five-year average	Degrees	One-year change	One- year	Five-year average	Degrees	One-year change	One-	Five-year average
State-related									ų			
Lincoln	219	-22	-9%	2%	134	-32	-19%	1%	85	10	13%	5%
Penn State	10,623	672	7	1	8,792	672	8	1	1,831	0	0	2
Pittsburgh	6,417	194	3	j	3,973	216	6	3	2,444	-22	-1	-1
Temple	5,295	-29	-1	2	3,473	36	Ì	3	1,822	-65	-3	a
Total	22,554	815	4	1	16,372	892	6	2	6,182	-77	-1	a
State-owned												
Bloomsburg	1,380	145	12	3	1,186	140	13	2	194	5	3	11
California	1,050	101	11	7	861	87	11	7	189	14	8	7
Cheyney	187	43	30	-8	145	38	36	-9	42	5	14	6
Clarion	1,114	11	1	2	924	-31	-3	1	190	42	28	4
East Stroudsburg	902	82	10	5	759	68	10	3	143	14	11	15
Edinboro	1,016	-27	-3	3	849	-46	-5	2	167	19	13	12
Indiana	2,403	-158	-6	- 1	1,921	-261	-12	-2	482	103	27	9
Kutztown	1,193	68	6	4	1,076	75	7	5	117	-7	-6	2
Lock Haven	479	17	4	-1	479	17	4	-1	Ь	Ь	b	ь
Mansfield	497	3	1	1	410	-25	-6	a	87	28	47	16
Millersville	1,317	153	13	3	1,170	125	12	Ž	147	28	24	5
Shippensburg	1,252	-195	-13	-1	982	-139	-12	a	270	-56	-17	-5
Slippery Rock	1,210	25	2	3	1,080	35	3	$\tilde{3}$	130	-10	-7	4
West Chester	1,695	122	8	8	1,427	108	8	8	268	14	6	10
Total	15,69 5	390	3	2	13,269	191	1	2	2,426	199	9	6
All institutions	38,249	1,205	3	2	29,641	1,083	4	2	8,608	122	1	2

a. Rounds to less than 1 percent.

SOURCE: Reports provided by the individual institutions, 1985 to 1990.

^{1.} Data for each year represent the summer term preceding the academic year plus the academic year.
2. Graduate includes master's at all institutions except Lock Haven, first professional (excluding medical schools) and doctor's at Pittsburgh and Temple, and doctor's at Penn State and Indiana.

b. The graduate program is not included because of its very small size.

Table 5

WORKWEEK ACTIVITIES OF FULL-TIME EMPLOYED FACULTY BY TYPE OF ACTIVITY 1989-90, AND PERCENTAGE CHANGE FROM 1988-89

		me employed aculty ²					A	lverage w	eekly hours	3				
		Percentage			contact	0					011		T 4 . 3	B
Institution	Number	<u>change</u> 1988-89 to 1989-90	Under- graduate	Percent age change	:- Graduate	Percent- age change	Instruc- tional support	Percent- age change	Research	Percent age change	- Other university service	Percent- age change	Total work- week	Percent- age change
State-related														
Lincoln	71	4%	10.0	2%	.8	-43%	18.7	4%	11.9	14%	11.4	2%	52.8	4%
Penn State	2,967	3	6.8	0	1.7	-6	19.7	-1	16.5	1	6.7	-4	51.4	-1
Pittsburgh	1,704	4	4.5	2	3.6	Ō	15.4	-1	17.3	4	10.7	-7	51.5	-i
Temple	1,177	2	5.0	-4	3.2	3	15.1	-1	12.8	0	16.8	2	52.9	à
Total	5,919	3	5.8	0	2.5	-4	17.5	-1	16.0	2	9.9	-3	51.7	-1
State-owned														
Bloomsburg	349	3	11.1	-3	.7	-22	17.8	0	9.4	9	15.8	4	54.8	2
California	293	5	9.7	-9	1.1	-15	16.3	0	8.3	9	17.6	-4	53.0	
Cheyney	112	13	11.4	4	.9	50	16.2	2	8.3	22	13.3	-20	50.1	-2 -2 -2 -2
L Clarion	336	0	10.3	-1	.7	Ö	16.8	-3	8.4	-2	14.9	ī	51.1	<u>-2</u>
☐ East Stroudsburg	251	3	10.6	6	.8	-11	17.6	Ō	9.1	-12	15.5	-3	53.6	<u>-2</u>
^l Edinboro	371	14	12.3	-5	.7	17	18.8	-1	7.9	3	14.6	ì	54.3	- 1
Indiana	680	-1	10.5	3	1.1	Ô	17.5	4	10.6	3	18.7	Ò	58.4	Ź
Kutztown	347	0	11.7	-7	.5	Ō	16.4	-8	8.4	. -3	16.6	-6	53.6	-6
Lock Haven	182	6	11.5	-5	b	b	16.8	3	7.5	4	18.3	Ö	54.1	ā
Mansfield	170	2	10.5	2	.6	0	19.7	4	9.7	4	18.2	-3	58.7	ī
Millersville	313	2	11.5	6	.7	17	16.2	4	8.4	-3	16.7	-1	53.5	2
Shippensburg	305	-2	9.5	-3	.9	0	16.0	-8	7.8	-4	17.1	6	51.3	-2
Slippery Rock	361	3	11.5	-1	.7	17	19.2	2	10.4	8	17.8	5	59.6	-2 3
West Chester	440	-ì	10.2	-5	1.7	21	19.1	1	9.0	-7	19.2	-4	59.2	-2
Total	4,510	2	10.8	-2	.9	12	17.6	0	9.0	1	17.0	-1	55.3	a
All institutions	10,429	3	7.9	-1	1.8	0	17.5	-1	13.0	2	12.9	-2	53.1	-1

^{1.} Instructional support includes course preparation and evaluation; other university service includes public service, institutional support and student services.

SOURCE: Reports provided by the individual institutions, 1989 and 1990.

^{2.} The number of full-time employed faculty for 1989-90 represents those reported by each institution for the fall term.

^{3.} Average calculated using only those full-time employed faculty in the fall who reported a complete workweek of 100 hours or less.

a. Rounds to less than I percent.

b. The graduate program is not included because of its very small size.

Table 6

AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY AND PERCENTAGE DISTRIBUTION BY RANK 1989-90

(Dollars in thousands)

		structional aculty	instr	verage ructional salary	<u>Prof</u>	essor	Associate	professor	<u>Assistant</u>	professor	Instr	uctor	No_r	ank ²
Institution	Number	Percentage <u>change</u> 1988-89 to 1989-90	Amount	Percentage <u>change</u> 1988-89 to 1989-90	Average instruc- tional salary	Percent- age of faculty								
State-related									_					
Lincoln	101	10%	\$24.5	6%	\$36.0	18%	\$29.7	15%	\$23.4	33%	\$16.4	14%	\$17.4	20%
Penn State	3,392	Ī	36.0	8	59.0	15	42.9	18	35.2	26	24.1	18	25.6	23
Pittsburgh	1,748	1	35.9	7	55.8	20	39.7	25	31.4	21	19.7	13	27.1	21
Temple	1,559	a	31.9	5	48.1	26	37.5	21	31.2	15	17.9	16	18.3	22
Total	6,800	1	34.8	7	54.4	19	40.4	20	33.4	22	21.7	16	24.2	23
State-owned														
Bloomsburg	371	4	37.7	7	47.8	28	38.9	32	31.2	31	24.8	9	na	0
California	309	7	39.2	10	49.4	38	40.6	27	32.1	19	22.3	16	33.2	a
Cheyney	99	8	43.9	7	51.0	36	40.7	46	37.2	11	33.4	б	79.7	1
占 Clarion	345	3	38.3	8	49.5	29	40.2	29	31.8	28	24.3	14	28.4	a
co East Stroudsbur	g 282	6	37.0	5	45.0	39	36.1	28	30.5	26	18.6	7	46.1	a
[!] Edinboro	405	12	37.6	2	46.4	37	39.4	21	30.4	32	23.4	10	na	0
Indiana	681	Ť	39.0	8	47.7	35	39.1	28	32.4	28	23.8	7	26.4	2
Kutztown	354	5	39.8	5	48.9	30	40.5	34	33.2	30	25.8	6	58.0	a
Lock Haven	168	6	39.3	1	50.7	29	40.8	34	31.6	25	23.3	12	26.3	a
Mansfield	170	5	38.9	5	48.5	30	40.6	28	33.4	30	24.2	12	na	0
Millersville	355	2	38.6	7	48.5	31	40.5	29	32.5	27	23.7	13	na	0
Shippensburg	308	a	41.8	9	48.7	48	39.1	27	32.8	19	26.1	6	na	0
Slippery Rock	383	3	40.7	8	49.0	38	39.8	25	31.9	29	37.1	8	49.6	a
West Chester	556	7	38.6	6	50.2	28	41.6	29	32.0	28	22.8	15	63.5	a
Total	4,786	4	39.0	6	48.4	34	39.9	29	32.0	27	24.5	10	33.8	a
All institutions	11,586	2	36.6	7	51.0	25	40.1	24	32.7	24	22.5	14	24.3	13

^{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.

SOURCE: Reports provided by the individual institutions, 1989 and 1990.

^{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.

Table 7

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL 1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

					Undergr	aduate					Master	15
Institution	Lower division	Percen One- year	tage change Five-year average	Upper division	Percen One- year	tage change Five-year average	Total under- graduate	Percen One- year	tage change Five-year average	Total master's	Percen One- year	tage change Five-year average
State-related										· · · · · · · · · · · · · · · · · · ·		
Lincoln	\$1,554	14%	3%	\$2,844	9%	1%	\$1,809	12%	3%	\$1,579	1%	-2%
Penn State	1,152	7"	5	2.047	7	9	1,468	8	7	3,167	3	-2M
Pittsburgh	1,126	8	7	2,072	ź	4	1,438	5	5	3,995	6	ć
Temple	1,168	-1	1		3	4		1) 1	2,712	2	4
rempre	1,100	-,	1	1,684	3	1	1,411	'	1	2,/12	2	4
Total	1,154	6	5	1,961	5	5	1,454	6	5	3,352	4	5
State-owned												
Bloomsburg	1,585	5	5	2,852	9	8	1,958	7	6	2,317	6	2
California	1,494	11	4	2,402	10	ĭ	1,790	11	4	3,290	Ř	ž
Cheyney	2,486	a	5	4,091	-3	3	2,875	a	À	3,787	-12	-3
Clarion	1,571	8	7	3,273	13	12	2,041	10	ģ	2,881	5	à
East Stroudsburg	1,620	6	4	3,209	5	7	2,013	6	5	1,776	-22	ā
Edinboro	1,734	7	4	2,924	ğ	7	2,047	7	Š	3,802	12	ž
Indiana	1,361	4	6	2,716	7	Ŕ	1,787	5	7	3,971	-3	ž
Kutztown	1,476	4	Š	3,093	2	Š	2,001	ă	5	2,793	6	Š
Lock Haven	1,639	5	3	3,202	-8	Š	2,082	-i	ž	_,b	h	h
Mansfield	1,488	7	5	3,974	-4	Š	2,126	ż	6	2,907	ž.	-ī
Millersville	1.599	12	7	2,779	í	š	1,941	8	ž	2,026	<u> </u>	à
Shippensburg	1.737	8	6	2,852	11	10	2.022	ğ	ź	3,693	5	าเ
Slippery Rock	1,710	10	8	3,478	iò	ğ	2,134	ģ	ģ	2,920	-15	' '
West Chester	1,783	11	8	2,594	5	3	2,049	ģ	7	3,262	9	6
Total	1,606	7	6	2,934	6	6	1,990	7	6	3,031	2	2
All institutions	1,373	7	5	2,343	5	6	1,697	7	6	3,232	3	4

^{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. In the case of individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

SOURCE: Reports provided by the individual institutions, 1985 to 1990.

a. Rounds to less than 1 percent.b. The master's program is not included because of its very small size.

Table 8A

LINCOLN UNIVERSITY

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION
1989-90

		<u>Indergradua</u>				
			Total		<u>Graduate</u>	
CIP classification	Lower division	Upper division	under- graduate	Master's	First pro- fessional	Doctor's
Agriculture						
Architecture and						
environmental design		~-		E		
Area and ethnic studies						
Business	\$1,188	\$1,634	\$1,433			
Communications Computer and						
information sciences Consumer, personal and		~-				
miscellaneous services			. 			
Education	1,698	3,004	1,861			
Engineering	 .				~	
Foreign languages	1,115	3,327	1,478			
Health						
Home economics						
Industrial arts		-				
Law						
Letters	1,415	3,515	1,631			
Liberal/general studies Library and archival						
sciences						
Life sciences	1,330	5,794	1,814			
Mathematics	1,357	2,806	1,467			
Military sciences Multi/interdisciplinary						- -
studies	1,350		1,350			
Parks and recreation Personal and social						
development						
Philosophy, religion						
and theology	1,536	1,900	1,543			
Physical sciences	2,234	5,424	2,794			
Psychology Public affairs and	1,108	3,442	1,794	*· ==0		
protective services				\$1,579		
Social sciences	2,092	2,609	2,279			
Trade and industrial						
Visual and performing arts Other					 	
Total	1,554	2,844	1,809	1,579		

^{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. In the case of 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: Reports provided by Lincoln University, 1990.

Table 8B

THE PENNSYLVANIA STATE UNIVERSITY

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL—TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION 1989–90

	U	Indergradua			2	
			Total		<u>Graduate³</u>	
CIP classification	Lower division	Upper division	under- graduate	Master's	First pro- fessional	Doctor's
Agriculture	\$1,631	\$2,546	\$2,316	\$5,793	_~	\$10,877
Architecture and						
environmental design	1,079	4,082	2,348	23,426		20,150
Area and ethnic studies	1,254	2,787	1,817	3,264		16,399
Business	1,122	1,539	1,377	2,396		6,959
Communications Computer and	1,154	2,305	1,952	4,395		8,947
information sciences Consumer, personal and	1,611	2,507	1,761	2,842		11,758
miscellaneous services						
Education	908	2,135	3,507	1,358		6,650
Engineering	2,672	2,388	2,845	4,186	~	11,722
Foreign languages	1,208	2,982	1,522	4,681		6,835
Health	809	2,812	2,138	4,614		9,035
Home economics	568	1,649	923	4,39 3		9,601
Industrial arts						
Law		1 764	7 402	2 226		
Letters	1,357	1,764	1,483	3,336		8,879
Liberal/general studies	642	815	722	~-		
Library and archival	2 060	1 107	1 065			
sciences	3,868	1,197	1,865	7.051		10 522
Life sciences Mathematics	80 6 1,170	1,600 2,312	988 1.304	7,851 3,070		10,523 18,281
Military sciences	1,170	2,312	1,304	3,070		10,201
Multi/interdisciplinary						
studies	1,311	2,823	1,996	3,335		11,142
Parks and recreation	526	1,712	1,580	4,108		16,522
Personal and social	320	1,112	1,500	4,100		10,522
development						
Philosophy, religion						
and theology	981	2,364	1,194	5,118		16,742
Physical sciences	1,255	2,394	1,403	7,299		13,074
Psychology	607	1,504	849	4,195	~-	8,413
Public affairs and	00.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	• • • • • • • • • • • • • • • • • • • •	1,120		Ο, τιο
protective services	1,139	2,274	1,956	2,847		8,173
Social sciences	871	1,630	1,090	3,373		11,455
Trade and industrial	2,617		2,622	-,		
Visual and performing arts		3,337	1,366	7,973		9,830
Other						~-
Total	1,152	2,047	1,468	3,167		10,168

^{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. In the case of individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

National Center for Education Statistics.
3. Excludes medical school data.

SOURCE: Reports provided by The Pennsylvania State University, 1990.

hours generated.

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

Table 8C

UNIVERSITY OF PITTSBURGH

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION 2

1989-90

		<u>Indergradua</u>				
	_		Total		<u>Graduate³</u>	
CIP classification	Lower division	Upper division	under- graduate	Master's	First pro- fessional	
Agriculture						
Architecture and environmental design						
Area and ethnic studies	\$1,139	\$2,420	\$1,550	\$12,321		\$18,968
Business	1,480	1,568	1,542	1,417		17,667
Communications	1,348	2,771	2,624	2,587		
Computer and	1,510	2,,,,	2,02	2,007		
information sciences	1,058	2,728	1,478	3,353		10,877
Consumer, personal and	.,555	2,720	.,	0,000		.0,0,,
miscellaneous services						
Education	1.388	2,593	2,116	2,428		7,082
Engineering	1,879	2,480	2,222	4,955		9,216
Foreign languages	1,476	2,145	1,613	5,341		8,472
Health	2,843	2,397	2,483	9,748		20,306
Home economics	1,064	1,877	1,867	4,151		
Industrial arts	·	·	·	·		
Law					\$1,476	
Letters	1,263	1,335	1,286	4,554	· ·	7,421
Liberal/general studies	·	·	·			·
Library and archival						
sciences				2,733		8,752
Life sciences	1,102	3,011	1,573	5,885		11,407
Mathematics	1,147	2,436	1,304	3,230		14,730
Military sciences						
Multi/interdisciplinary						
studies	984	1,550	1,212	5,747		11,814
Parks and recreation						
Personal and social						
development						
Philosophy, religion						
and theology	1,013	2,487	1,225	5,099		13,766
Physical sciences	949	4,154	1,154	5,724		7,804
Psychology	510	1,406	689	6,121		7,218
Public affairs and						
protective services	953	1,732	1,512	3,437		5,391
Social sciences	995	1,921	1,254	7,447		9,032
Trade_and industrial						
Visual and performing arts Other	1,031	2,735 	1,343 	5,814 		9,545
Total	1,126	2,072	1,438	3,995	1,476	9,309

^{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. In the case of individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

SOURCE: Reports provided by University of Pittsburgh, 1990.

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

^{3.} Excludes full-time equivalent dental students, and medical school data.

Table 8D TEMPLE UNIVERSITY

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT
BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION

OUT OF THE PROPERTY OF 1989-90

		Indergradua			3	
			Total		<u>Graduate³</u>	
CIP classification	Lower	Upper division	under- graduate	Master's	First pro- fessional	
Agriculture	\$1,770	\$2,401	\$2,043	\$4,577		
Architecture and environmental design			-			
Area and ethnic studies	1.049	1,778	1,336	2,700		\$2,655
Business	969	1,270	1,158	2,056	\$1,200	7,803
Communications	1,239	1.863	1,585	3,223		6,315
Computer and	.,205	,,000	.,500	0,220		0,0.0
information sciences	1,148	2,060	1,576	2,729		6.049
Consumer, personal and	.,	_,		,		•
miscellaneous services						
Education	968	1,588	1,322	1,716		4,127
Engineering	1,522	2,258	1,989	3,251		3,298
Foreign languages	1,331	1,893	1,513	2,712		5,9 50
Health	2,098	1,621	1,672	3,458	5,640	7,252
Home economics	-~					
Industrial arts						
Law	828	4,970	3,058	3,235	2,199	
Letters	1,183	1,629	1,304	4,409		4,638
Liberal/general studies	939	968	944	1,470		~-
Library and archival						
sciences	~-	-~	~-			
Life sciences	570	8 90	760	4,195	420	7,477
Mathematics	1,210	1,936	1,351	3,562		7,627
Military sciences						
Multi/interdisciplinary						
studies						
Parks and recreation	1,110	1,492	1,336	2,882		4,959
Personal and social						
development	1,100		1,100			
Philosophy, religion						
_ and theology	1,078	1,591	1,252	6,019		7,325
Physical sciences	1,015	1,539	1,181	4,335		8,040
Psychology	934	1,581	1,223	2,230		4,873
Public affairs and			. 401	2 622		
protective services	909	1,790	1,431	2,689	553	c 223
Social sciences	1,092	1,733	1,361	2,816		6,331
Trade and industrial	2 063	2 224	2 470	5 753		7 470
Visual and performing arts Other	2,067	2,924 ~-	2,470 —	5,151 		7,479
Total	1,168	1,684	1,411	2,712	3,157	5,425

^{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. In the case of individual instruction, one course (assigned) credit is attributed to every three student credit hours generated. hours generated.
2. Classification of Instructional Programs, U.S. Department of Education,

SOURCE: Reports provided by Temple University, 1990.

National Center for Education Statistics.

^{3.} Excludes medical school data.

Table 8E

STATE-OWNED UNIVERSITIES

AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT

BY ACADEMIC DIVISION AND LEVEL AND CIP CLASSIFICATION²

1989-90

		Indergradua			C 4 1 -	
			Total		Graduate	
CIP classification	Lower division	Upper division	under- graduate	Master's ³	First pro- fessional	Doctor's4
Agriculture	\$1,447	\$1,736	\$1,522	\$3,276	-	
Architecture and						
environmental design	2,994	6,635	3,094			
Area and ethnic studies	1,839	2,398	2,033	3,532		
Business	1,436	2,040	1,772	2,917		
Communications	1,594	2,628	1,970	3,712	~-	
Computer and						
information sciences	1,617	3,572	1,928	2,424		
Consumer, personal and						
miscellaneous services				- -		
Education	1,546	2,703	2,157	2,324		
Engineering	2,446	3,404	3,030	1,574		
Foreign languages	2,027	4,403	2,373	3,279		
Heal th	3,337	4,138	3,921	3,716		
Home economics	1,509	2,629	2,085	4,966		
Industrial arts	3,930	3,113	3,570	4,271		
Law	1,823	1,437	1,710	2,041		
Letters	1,713	2,924	1,893	4,131		
Liberal/general studies	776	2,766	847			
Library and archival		~,	•		1	
sciences	2.158	3.872	3,153	1,398		
Life sciences	1.728	5.303	2,223	7,223		
Mathematics	1,683	3,035	1,827	4,045		~-
Military sciences	.,000					
Multi/interdisciplinary						
studies	1,250	2,527	1,701	2,114		
Parks and recreation	1,691	3,060	2,227	6,444		
Personal and social	1,091	3,000	2,221	U, 		
development	1,881	2,237	1,964	2,941		
	1,001	2,237	1,904	2,941		
Philosophy, religion	1 471	3,213	1.617	4,823		
and theology	1,471					
Physical sciences	2,111	7,896	2,675	7,058		
Psychology	1,225	2,607	1,563	2,953		
Public affairs and		0 460	3 040	0 (00		
protective services	1,466	2,460	1,940	2,620		
Social sciences	1,270	2,896	1,582	4,693		
Trade and industrial	2,640	3,507	3,298			
Visual and performing arts		4,863	2,345	8,865		
Other	1,555	4,5 63	1, 7 57	2 ,6 66		
Total	1,606	2,934	1,990	3,031		

^{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. In the case of individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

SOURCE: Reports provided by the individual State-owned institutions, 1990.

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

^{3.} The master's program at Lock Haven is not included because of its very small size.

^{4.} Doctor's at Indiana included in master's.

Table 9 AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL 1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

		wer div	ision	116	<u>Undergr</u> oper div		Tota	1 under	graduate		Maste	rie
			tage change			tage change			tage change			tage change
Institution	Class size	One- year	Five-year average	Class size		Five-year average	Class size	One- year	Five-year average	Class size	One- year	Five-year average
State-related												
Lincoln	21	0%	3%	13	8%	9%	19	6%	5%	15	7%	7%
Penn State	31	Ō	1	28	-3	-1	30	Ō	1	15	Ô	5
Pittsburgh	32	-3	2	26	-4	3	30	-3	2	18	0	2
Temp1e	27	4	Ž	25	4	4	26	4	3	14	8	2
Total	30	0	1	26	-4	1	29	0	1	15	0	1
State-owned												
Bloomsburg	25	0	-1 .	16	-6	-3	21	-5	-2	13	-7	0
California	30	-3	1	19	0	4	25	-4	1	11	-8	4
Cheyney	20	5	4	11	0	2	17	0	3	14	8	15
Clarion	36	0	2	16	-6	-4	27	-4	-1	13	0	2
East Stroudsburg	29	4	1	16	0	-1	24	0	0	20	25	9
Edinboro	26	-4	1	15	-6	-1	22	-4	0	9	0	2
Indiana	31	0	1	17	0	0	25	0	1	9	12	6
Kutztown	30	3	2	16	0	5	24	4	3	13	-7	6
Lock Haven	28	0	1	13	8	-6	21	0	-2	a	a	a
Mansfield	29	4	3	9	12	-2	18	6	0	9	12	6
Millersville	24	-4	-2	13	0	-1	19	-5	-3	12	-8	0
Shippensburg	29	-9	1	19	-17	-2	25	-14	0	10	-23	-6
Slippery Rock	29	-3	. -1	14	-7	-1	24	0	0	15	15	7
West Chester	24	0	0	16	0	1	21	0	0	11	10	2
Total	28	0	1	15	-6	-1	23	0	0	11	0	2
All institutions ²	29	0	1	21	0	0	26	0	1	14	8	3

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

SOURCE: Reports provided by the individual institutions, 1985 to 1990.

^{2.} Because of rounding, percentage changes for all institutions may not appear to reflect institutional group changes.

a. The master's program is not included because of its very small size.

Table 10

ACADEMIC YEAR TUITION AND REQUIRED FEES FOR FULL-TIME STUDENTS BY ACADEMIC LEVEL AND RESIDENCE 1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

			Underg	raduate _			Graduate ¹						
		In-Stat	.e		ut-of-St	ate		In-Stat	<u>e</u>	0	ut-of-St	ate	
Institution	Tuition and required fees	Percer One- year	tage change Five-year average	Tuition and required fees		tage change Five-year average	Tuition and required fees		tage change Five-year average	Tuition and required fees		tage change Five-year average	
State-related													
Lincoln	\$2,400	0%	6%	\$3,500	0%	5%	\$3,250	0%	8%	\$4,850	0%	4%	
Penn State	3,754	4	9	7,900	9	11	4,198	9	11	8,388	9	11	
Pittsburgh ²	4,086	7	10	8,106	8	10	5,046	9	11	9,876	8	11	
Temple	4,046	4	8	7,308	7	9	4,610	7	8	5,786	8	9	
Average ²	3,572	4	8	6,704	7	9	4,276	7	10	7,225	7	9	
State-owned													
Bloomsburg	2.398	5	8	4,254	15	9	2,288	4	8	2,758	12	12	
California	2,548		8	4,404	12	ý	2,548	ż	ğ	2,968	7	12	
Cheyney	2,388	2	8	4.244	15	9	2,303	2	7	2,723	Ŕ	10	
Clarion	2,418	2 2 3	8	4,274	13	ģ	2,328	1	7	2.748	7	iĭ	
East Stroudsburg	2,392	8	7	4,248	17	ģ	2,324	Ė	Ŕ	2.740	10	ii	
Edinborg	2,438	2	8	4,294	13	ģ	2,432	2	Š.	2.852	Ť	ii	
Indiana ²	2,484	9	8	4,340	18	ģ	2,404	ñ	Š.	2.728	á	iò	
Kutztown	2,380	2	8	4,236	13	ģ	2,250	ž	ğ	2,670	Ŕ	12	
Lock Haven	2,358	8	8	4,214	17	10	2,230 a	a	á	_,c.o	ă	` <u>-</u>	
Mansfield	2,435	3	Ř.	4,309	14	ٔ ق	2,318	Ã	Š	2,738	õ	าเ	
Millersville	2,536	8	10	4,392	16	11	2,457	10	ıĭ	2,877	15	14	
Shippensburg	2,444	ž	Ť	4,300	13	<u>'</u> 9	2,338	2	Ŕ	2,758	8	ที	
Slippery Rock	2,504	3	8	4,360	13	1Ó	2,504	3	Š	2,924	8	12	
West Chester	2,398	7	8	4,254	16	iŏ	2,398	ž	8	2,818	12	12	
Average ²	2,437	4	8	4,294	14	9	2,376	4	8	2,792	9	11	

^{1.} Graduate excludes first professional level.

2. Main campus data only.

SOURCE: Pennsylvania Department of Education, <u>Basic Student Charges at Institutions of Higher Education</u>, 1984-85 to 1987-88 and <u>Colleges and Universities-Basic Student Charges</u>, 1988-89 and 1989-90.

a. The graduate program is not included because of its very small size.

Table 11 TUITION AND FEE REVENUES RELATED TO FULL-TIME EQUIVALENT STUDENTS 1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

	Tuition	and fee r	Paunas	Tuition and fee revenues per FTE student						
	101011		age change		<u>per ric</u>		age change			
	Amount	One-	Five-year		One-year	One-	Five-year			
Institution	(2000)	year	average	Amount	change	year	average			
State-related										
Lincoln	\$4,389	6%	8%	\$3,150	\$ 10	a	5%			
Penn State	287,721	7	14	4.580	240	6%	11			
Pittsburgh	156,550	8	11	5,260	320	6	10			
Temple	132,071	7	11	4,890	220	5	8			
Total	580,731	7	12	4,800	260	6	10			
State-owned										
Bloomsburg	17,641	15	16	2,500	240	11	11			
California	14,774	13	22	2,360	190	9	12			
Chevnev	4,312	27	7	3,010	280	10	13			
Clarion	15,642	6	13	2,480	140	6	10			
East Stroudsburg	15.240	21	22	2,900	300	12	14			
Edinboro	18,255	16	21	2,570	210	9	13			
Indiana	34,608	8	15	2,530	90	4	13			
Kutztown	18,840	17	19	2,730	270	11	12			
Lock Haven	8,302	17	19	2,610	210	9	13			
Mansfield	8,571	21	17	2,820	320	13	14			
Millersville	19,643	16	19	2,790	340	14	14			
Shippensburg	15,338	9	14	2,570	180	8	12			
Slippery Rock	18,225	11	15	2,560	190	8	10			
West Chester	27,609	13	20	2,790	240	9	13			
Total	237,000	13	17	2,630	220	9	12			
All institutions	817,731	9	14	3,870	220	6	10			

^{1.} FTE students include in-State and out-of-State undergraduate and graduate students. a. Rounds to less than 1 percent.

SOURCE: FTE students - reports provided by the individual institutions, 1985 to 1990; tuition and fee revenues - data provided by the individual State-related institutions and the State System of Higher Education, Commonwealth of Pennsylvania, 1985 to 1990.

Table 12

STATE APPROPRIATIONS FOR INSTRUCTION RELATED TO FULL-TIME EQUIVALENT STUDENTS
1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

	Educational	Tuition	Total			Total instructional appropriations per FTE student				
Institution	and general appropriations (000s)	Challenge Grants (000s)	instructional appropriations (000s)	<u>Percer</u> One- year	ntage change Five-year average	Amount	One-year change	Percent One- year	taqe change Five-year average	
State-related										
Lincoln	\$8,896	\$95	\$8,991	8%	13%	\$6,450	\$140	2%	9%	
Penn State	161,158	3,313	164.471	9	8	2.620	190	8	5	
Pittsburgh 1	111,290	2,124	113,414	9	8	3,810	260	7	7	
Temple	121,000	2,251	123,251	9	8	4,560	290	7	5	
Total	402,344	7,783	410,127	9	8	3,390	230	· 7	6	
State-owned										
Bloomsburg	25,621	414	26.035	10	7	3,690	200	6	4	
California	21,257	376	21,633	11	7	3,450	210	6	a	
Cheyney	12,481	53	12,534	a	2	8,750	-1,310	-13	7	
Clarion	22,960	387	23,347	8	7	3,700	250	7	5	
East Stroudsburg	18,568	210	18,778	8	6	3,580	-20	-1	2	
Edinboro	23,037	401	23,438	8	6	3,300	40	1	1	
Indiana	46,271	844	47,115	8	7	3,440	120	4	5	
Kutztown	24,123	383	24,506	11	9	3,540	150	4	4	
Lock Haven	13,823	199	14,022	8	7	4,410	20	a	2	
Mansfield	13,827	160	13,987	6	6	4,610	-50	-1	4	
Millersville	25,460	390	25,850	10	7	3,680	270	8	4	
Shippensburg	22,609	368	22,977	8	6	3,840	240	7	5	
Slippery Rock	25,169	409	25,578	8	9	3,590	180	5	5	
West Chester	34,955	470	35,425	11	8	3,580	250	8	4	
Total ²	330,161	5,064	335,225	9	7	3,710	150	4	3	
All institutions ²	732,505	12,847	745,352	9	7	3,530	200	6	5	

1. Includes appropriation for Titusville campus.

2. Excludes amount of appropriation allocated to Board of Governors/Chancellor's Office and System Reserve.

a. Rounds to less than 1 percent.

SOURCE: FTE students - reports provided by the individual institutions, 1985 to 1990; instructional appropriations - <u>Governor's Executive Budget</u>, 1986-87 to 1990-91 and data provided by the State System of Higher Education, Commonwealth of Pennsylvania, 1985 to 1990.

Table 13 TUITION AND FEE REVENUES, STATE APPROPRIATIONS FOR INSTRUCTION AND STUDENT AID PER FULL-TIME EQUIVALENT STUDENT 1989-90, CHANGE FROM 1988-89 AND FIVE-YEAR AVERAGE ANNUAL RATE OF CHANGE (1984-85 to 1989-90)

		Per FTE stude	Rati instruction to total ins				
Institution	Tuition and fee revenues	Total instructional appropriations	Total instructional revenues	Percentage	Percentage change One- Five-year year average		Student aid per FTE student ²
State-related							
Lincoln	\$3,150	\$6,450	\$9,600	67%	0%	1%	\$228
Penn State	4,580	2,620	7,200	36	0	- 2	292
Pittsburgh	5.260	3,810	9,070	42	0	– 1	301
Temple	4,890	4,560	9,450	48	Ō	-1	265
Total	4,800	3,390	8,190	41	0	-2	288
State-owned							
Bloomsburg	2,500	3,690	6,190	60	-2	-2	224
California	2,360	3,450	5,810	59	-2	- 3	318
Chevnev	3,010	8,750	11,760	74	-6	- 1	284
Clarion	2,480	3,700	6,180	6 0	0	- 2	257
East Stroudsburg	2,900	3,580	6,480	55	~5	-3	149
Edinboro	2,570	3,300	5,870	56	~5 ~ 3	-3	247
Indiana	2,530	3,440	5,970	58	0	- 2	296
Kutztown	2,730	3,540	6,270	56	-3	-2 -2 -2	145
Lock Haven	2,610	4,410	7,020	63	-3	-2	241
Mansfield	2,820	4,610	7,430	62	-5	-2	250
Millersville	2,790	3,680	6,470	57	-2	-2	175
Shippensburg	2,570	3,840	6,410	60	0	- 2	176
Slippery Rock	2,560	3,590	6,150	58	- 2	-2	285
West Chester	2,790	3,580	6,370	56	-2	-2	140
Total ³	2,630	3,710	6,340	59	-2	-2	226
All institutions ³	3,870	3,530	7,400	48	0	- 2	261

^{1.} FIE students include in-State and out-of-State undergraduate and graduate students. Tuition and fees are based on revenues collected by the individual institutions. State appropriations include educational and general appropriations and Tuition Challenge Grants.

Includes grants and matching funds. Does not include student loans.
 Appropriations exclude amount allocated to Board of Governors/Chancellor's Office and System Reserve.

SOURCE: FTE students - reports provided by the individual institutions, 1985 to 1990; tuition and fee revenues - data provided by the individual State-related institutions and the State System of Higher Education, Commonwealth of Pennsylvania, 1985 to 1990; appropriations - Governor's Executive Budget, 1986-87 to 1990-91, and data provided by the State System of Higher Education, Commonwealth of Pennsylvania, 1985 to 1990; student aid - data provided by the Pennsylvania Higher Education Assistance Agency, November 1990.

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III. HISTORICAL DATA

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Historical Table 1 FULL-TIME EQUIVALENT STUDENTS BY ACADEMIC LEVEL 1 1984-85 to 1989-90

Institution	1984-85	1985-86	1986~87	1987-88	1988-89	1989-90
State-related						
Lincoln						
Total	1,233	1,259	1,321	1,303	1,317	1,394
Undergraduate	1,094	1,094	1,115	1,108	1,116	1,171
Graduate	139	165	206	195	201	223
Penn State					CD 000	
Total	57,280	57,624	58,598	60,861	62,095	62,839
Undergraduate	52,376	52,438	53,266	55,177	56,271	56,641
Graduate	4,904	5,186	5,332	5,684	5,824	6,198
Pittsburgh	20.260	20 067	20 704	20 202	20 277	25 727
Total	29,269	28,867 21,292	28,704	28,792	29,271	29,737
Undergraduate Graduate	21,458		21,189	21,302 7,490	21,814 7,457	22,107 7,630
	7,811	7,575	7,515	7,430	7,457	7,630
Temple Total	23,995	24,734	25,152	25,646	26,453	27,005
Undergraduate	18,139	18,832	19,486	19,933	20,614	20.898
Graduate	5,856	5,902	5,666	5,713	5,839	6,107
Graduate	3,830	3,902	3,000	3,713	5,639	0,107
State-owned						
Bloomsburg						
Total	6,170	6,343	6,622	6,781	6,794	7,058
Undergraduate	5,854	5,979	6,238	6,381	6,400	6,631
Graduate	316	364	384	400	394	427
California	, =					
Total	4,716	4,859	5,107	5,544	5,997	6,264
Undergraduate	4,352	4,490	4,723	5,083	5,509	5,673
Graduate	364	369	384	461	488	591
Cheyney						
Total	1,760	1,374	1,414	1,520	1,241	1,433
Undergraduate	1,682	1,308	1,325	1,402	1,081	1,204
Graduate	78	66	89	118	160	229
Clarion						
Total	5,726	5,833	5,857	5,958	6,284	6,312
Undergraduate	5,424	5,468	5,479	5,554	5,889	5,916
Graduate	302	365	378	404	395	396
East Stroudsburg	4 007	4 522	4 430	4 700	4.004	
Total	4,267	4,273	4,410	4,728	4,824	5,250
Undergraduate	3,929	3,878	3,895	4,183	4,344	4,634
Graduate	338	395	515	54 5	480	616
Edinbora		F F16	F COB	6 165		7 000
Total	5,743	5,516	5.608	6,105	6,673	7.098
Undergraduate	5,413	5,196	5,294	5,757	6,279	6,695
Graduate	330	320	314	348	394	403
Indiana	12 000	12 720	12 026	12 172	12 166	12 500
Total	12,880	12,730	13,026	13,173	13,165 12,357	13,698
Undergraduate Graduate	12,092 788	11,901 829	12,151 875	12,281 892	808	12,748 950
Kutztown	700	049	0/5	092	808	330
Total	5,605	5,989	6.068	6,334	6,532	6,913
Undergraduate	5,376	5,733	5,783	6,024	6,229	6,557
Graduate	229	256	285	310	303	356
Lock Haven	223	230	203	310	303	330
Total	2,660	2,628	2,705	2,834	2,970	3,176
Undergraduate	2.660	2,628	2,705	2,834	2,970	3,176
Graduate	z,opo na	na	na	na.	na	3,176 a
Mansfield	•	,,,_				_
Total	2,808	2,726	2.580	2,606	2,830	3,035
Undergraduate	2,663	2,568	2,444	2,460	2,645	2,838
Graduate	145	158	136	146	185	197
Millersville						
Total	6,176	6,220	6,438	6,589	6.914	7,030
Undergraduate	5,694	5,692	5,844	5,868	6,084	5,266
Graduate	482	528	594	721	830	764
Shippensburg	,02		•••	• - •	•	
Total	5,626	5,729	5,840	5,958	5,901	5,978
Undergraduate	5,111	5,224	5,354	5,459	5,419	5,513
Graduate	515	505	486	499	482	465
Slippery Rock	0.0					
Total	6,165	6,196	6,323	6,586	6,947	7,124
Undergraduate	5,868	5,921	6,038	6,306	6,598	6,648
Graduate	297	275	285	280	349	476
West Chester	==:					
Total	8,250	8,535	9,013	9,910	9,583	9,889
Undergraduate	7,573	7,821	8,212	8,987	8,657	8,898
Graduate	677	714	801	923	926	991

^{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 the master's level, the graduate level for Penn State, Pittsburgh, Temple and Indiana includes first professional (excluding medical) and/or doctor's levels.

a. The graduate program is not included because of its very small size.

na. Not applicable.

	Lower	Upper	Total under-	Total	<u>year</u> First pro-		Total	Grand	Under-	Summer	
Institution	division	division	graduate	Master's	fessional	Doctor's	graduate	total	graduate	Graduate	Total
State-related											
Lincoln											
1984-85	27	6	33	3	na	na	3	36	3		3
1985-86	26	7	33	4	na	na	4	37	2	a	3 2
1986-87	27	7	34	5 5	na	na	5	39	2	a	2
1987-88 1988-89	27	7	34	5	na	na	5	39	1	ā	1
1989-90	27 28	7 7	34	5	па	na	5	39	1	à	1
Penn State	20	,	35	5	na	na	5	40	1	1	2
1984-85	1,033	538	1,571	54	na	63	117	1,688	95	18	113
1985-86	1,023	550	1,573	62	na	62	124	1,697	95	19	114
1986-87	1,101	497	1,598	64	na	64	128	1,726	98	19	117
1987-88	1,129	526	1.655	71	na	65	136	1,791	99	źí	120
1988-89	1,131	558	1,689	77	na	62	139	1,828	97	ži	118
1989-90	1,098	601	1,699	83	na	66	149	1,848	98	ŽŽ	120
Pittsburgh			•					•			
1984-85	426	218	644	114	41	33	188	832	71	42	113
1985-86	420	219	639	109	42	31	182	821	69	39	108
1986-87	421	214	635	109	42	30	181	816	67	37	104
1987-88 1988-89	419	220	639	111	40	28	179	818	66	36	102
1989-90	436	219	655	113	38	27	178	833	66	34	100
Temple	445	219	664	113	42	27	182	846	66	34	100
1984-85	288	257	545	65	52	23	140	685	41	16	
1985-86	302	263	565	66	52 52	23 24	142	707	42	16	57 58
1986-87	311	273	58 4	66	47	23	136	720	47	16	63
1987-88	316	282	598	67	47	23	137	735	50	16	66
1988-89	329	289	618	69	47	24	140	758	53	16	69
1989-90	332	295	627	75	47	24	146	773	54	16	70
6 1											
State-owned											
Bloomsburg 1984-85	125		176	•			•			•	
1985~86	125 127	51	176	8	na	na	8	184	13	3	16
1986-87	132	53 55	180 187	9	na	na	9	189	14	3	17
1987-88	135	55 57	192	10	na **	na	10	196 202	15 16	4	19
1988-89	136	56	192	9	na	na	9	202	16	4	20 20
1989-90	140	59	199	10	na na	na na	10	209	17	4	21
California	1-10	3,	199	10	IIa	114	10	209	"	-	٤١
1984-85	96	34	130	9	na	na	9	139	9	3	12
1985-86	91	44	135	ģ	na	па	ģ	144	ģ	ž	12
1986-87	95	47	142	9	na	na	ģ	151	10	3	13
1987-88	105	48	153	11	na	na	11	164	11	4	15
1988-89	113	53	166	12	na	,па	12	178	11	4	15
1989-90 Cheyney	115	5 5	170	14	na	na	14	184	12	4	16
1984-85	39	12	51	2	· na	па	2	53	•	_	•
1985-86	30	9	39	2	na	па	2	41	3	a	3
1986-87	30	10	40	2	na	na na	2	42	2 2	a I	3
1987-88	33	9	42	3	na	na	3	45	2	i	3
1988-89	25	7	32	4	па	na	4	36	ĩ	i	2
1989-90	27	9	36	5	na	na	5	41	ż	ż	4
Clarion							•	• •	-	-	7
1984-85	121	42	163	7	na	na	7	170	11	2	13
1985-86	119	45	164	9	na	na	9	173	10	2	12
1986-87	121	44	165	9	na	na	9	174	10	2	12
1987-88	120	46	166	10	na	na	10	176	11	2	13
1988-89	128	49	177	9	na	na	9	186	12	3	15
1989-90	128	49	177	10	na	na	10	187	12	3	15
East Stroudsburg	A-7	23	, , , ,	•			_	• • • •			
1984-85	87	31	118	8	na	na	8	126	11	4	15
1985-86 1986-87	85 88	31	116	9	na	na	.9	125]]	5	16
1987-88	96	28 30	116 126	12	na	na	12	128	11	7	18
1988-89	99	30 32	131	13 12	na na	na na	13 12	139 143	12	7	19
1989-90	105	34	139	15	na	na na	15	154	14 15	5	19 22

137100010			•								
1984-85	118	44	162	8	na	na	8	170	11	2	13
1985-86	112	44	156	8	nja	na	8	164	10	2	12
1986-87	112	47	159	8	na	na	8	167	11	2	13
1987-88	122	51	173	8	na	na	8	181	12	2	14
1988-89	138	51	189	9	na	na	9	198	12	2	14
1989-90	148	53	201	10	na	na	10	211	12	3	15
Indiana	240	•••	252					202	22	-	20
1984-85 1985-86	248 242	115	363	19	na	þ	19	382 377	33 32	6	39
1986-87		115	357	20	na	þ	20 21		32	6	38
1987-88	245 249	120 120	365 369	21	na	b b	21	386 390	33 31	6 7	39 38
1988-89	253	118	309 371	21 19	na	ь	19	390	34	6	40
1989-90	262	120	382	23	na na	ь	23	405	34	7	41
Kutztown	LUL	120	JUL	E.J	na			403	34	,	٦,
1984-85	110	52	162	6	na	na	6	16B	9	2	11
1985-86	117	55	172	ŏ	na	na	Ğ	178	ģ	ž	ii
1986-87	119	55	174	ž	na	na	ž	181	10	ž	12
1987-88	125	55	180	7	na	na	7	187	9	2	11
1988-89	128	59	187	7	na	na	7	194	10	2	12
1989-90	133	64	197	8	na	na	8	205	11	3	14
Lock Haven											
1984-85	56	24	80	na	na	na	na	80	3	na	3
1985-86	56	23	79	na	na	na	na	79	3	na	3
1986-87	57	24	81	na	na	na	na	81	4	na	4
1987-88	60	25	85	na	na	na	na	85	4	na	4
1988-89	64	25	89	na	u9	na	na	89	5	na	5
1989-90	68	27	95	С	na	na	C	95	4	С	4
Mansfield		2.3	00	-			•	03	-	,	•
1984-85 1985-86	59 55	21 22	80	3	пà	na	3 4	83 81	5 6	1	6 7
1986-87	53	22 20	77 73	4 3	na	na	3	76	6	i	
1987~88	54	20	74	4	na na	na na	4	78	5	j	7 6
1988-89	60	20	80	4	na	na	4	84	5	ż	7
1989-90	63	22	85	5	na	na	5	90	5	2	Ż
Millersville	Ų3		0,5	,	,,,	,,,	•	30	•	•	,
1984-85	134	37	171	12	na	па	12	183	18	7	25
1985-86	131	40	171	13	na	na	13	184	17	B	25
1986-87	131	44	175	14	na	na	14	189	17	8	25 25 25
1987-88	131	45	176	17	na	na	17	193	18	10	28
1988-89	131	52	183	20	na	na	20	203	17	13	30
1989-90	134	54	188	18	na	na	18	206	17	11	28
Shippensburg									_		
1984-85	113	41	154	12	na	na	12	166	10	4	14
1985~86	115	42	157	12	na	na	12	169	10	4	14
1986-87 1987-88	116 119	44	160	12	na	na	12	172	11	4	15
1988-89	119	45 43	164 162	12 12	na	na	12	176	11 11	4	15
1989-90	123	43 42	165	11	na	na	12 11	174 176	11	4	15 15
Slippery Rock	123	76	103	, ,	na	na	1.	170	* 1	4	13
1984-85	135	41	176	7	па	na	7	183	17	2	13
1985-86	134	43	177	7	na	na	Ź	184	ii	ž	13
1986-87	135	46	181	Ż	na	na	7	188	13	ž	15
1987-88	141	48	189	7	na	na	7	196	14	ž	16
1988-89	150	48	198	8	na	na	8	206	15	Ž	17
1989-90	152	48	200	11	na	na	ากั	211	15	2	17
West Chester											
1984-85	164	63	227	16	na	па	16	243	17	5	22
1985-86	168	67	235	17	na	na	17	252	18	5	23
1986-87	175	72	247	19	na	na	19	266	18	5	23
1987-88	190	79	269	22	na	na	22	291	20	7	27
1988-89	179	80	259	22	na	na	22	281	20	7	27
1989-90	179	88	267	24	na	na	24	291	21	7	28
											

Data for each year represent the summer term preceding the academic year plus the academic year. The first professional and doctor's level excludes medical school data at all institutions.
 Rounds to less than one thousand student credit hours.
 Included in master's level.
 The master's program is not included because of its very small size.
 Not applicable.

Historical Table 3 DEGREES CONFERRED¹ 1984-85 to 1989-90

Institution	1984-85	1985-86	1986-87	1987-88	1 988-8 9	1989-90
State-related						
Lincoln						
Total	195	226	204	255	241	219
Bachelor's	126	157	136	156	166	134
Graduate	69	69	68	99	75	8 5
Penn State	0.055	0.002	0 607	0 565	0.051	10 (22
Total Bachelor's	9,955	9,963	9,627 8,067	9,565	9.951	10,623
Graduate	8,318 1,637	8,323 1,640	1,560	7,851 1,714	8,120 1,831	8.792 1,831
Pi ttsburgh	1,037	1,040	1,560	1,714	1,631	1,031
Total	6,118	6,219	6,292	6,269	6,223	6,417
Bachelor's	3,524	3,689	3,734	3,738	3,757	3,973
Graduate	2,594	2,530	2,558	2,531	2,466	2,444
Temple	2,054	2,500	2,000	2,00	2,400	-,
Total	4.802	4,837	4,820	4,972	5,324	5,295
Bachelor's	2,982	2,986	3,051	3,176	3,437	3,473
Graduate	1,820	1,851	1,769	1,796	1,887	1,822
	·,	.,	.,			
tate-owned						
Bloomsburg						
Total	1,203	1,250	1,247	1,330	1,235	1,380
Bachelor's	1,078	1,123	1,067	1.160	1,046	1,186
Graduate	125	127	180	170	189	194
California						
Total	781	835	870	913	94 9	1,050
Bachelor's	643	712	745	767	774	861
Graduate	138	123	125	146	175	189
Cheyney	200	263	202	105	344	107
Total Bachelor's	306 274	261 241	203 174	195 172	144 107	187
Graduate	32	20	29	23	37	145 42
Clarion	32	20	29	23	31	
Total	1,021	1.023	1.045	1,053	1,103	1,114
Bachelor's	864	898	908	894	955	924
Graduate	157	125	137	157	148	190
East Stroudsburg	13/	125	137	137	140	130
Total	731	843	792	756	820	902
Bachelor's	649	717	673	644	691	759
Graduate	82	126	119	112	129	143
Edinboro	-					
Total	872	897	914	945	1,043	1,016
Bachelor's	768	750	784	818	895	849
Graduate	104	147	130	127	148	167
Indiana						
Total	2,493	2, 6 05	2,639	2,514	2,561	2,403
Bachelor's	2,160	2,281	2,277	2,118	2,182	1,921
Graduate	333	324	362	396	379	482
Kutztown						
Total	983	995	1,075	1,008	1,125	1,193
Bachelor's	875	874	963	908	1,001	1,076
Graduate	108	121	112	100	124	117
Lock Haven	F01	467	# # E	460	467	479
Total	501	467 463	44 6	468 468	462 463	
Bachelor's	501	467	446	468	462	479
Graduate Mansfield	na	na	ug	na	na	9
	468	486	462	441	494	497
Total Bachelor's	419	404	406	391	435	410
Graduate	49	82	56	50	435 59	87
	49	02	30	30	29	0,
Millersville Total	1 160	1,146	1,158	1,250	1,164	1,317
Bachelor's	1,1 69 1,050	1,024	1,032	1,126	1,045	1,170
Graduate	119	122	126	124	119	1,170
Shippensburg	119	122	120	124	119	1-47
Total	1,328	1,340	1,366	1,517	1,447	1,252
Bachelor's	979	999	1,059	1,173	1,771	982
Graduate	34 9	341	307	344	326	270
Slippery Rock	347	341	307	344	320	2,0
Total	1,043	995	1,184	1,171	1,185	1,210
Bachelor's	933	876	1,066	1,069	1,045	1,080
Graduate	110	119	118	1009	140	130
West Chester	110	119	110	102	1-0	130
Total	1,190	1,417	1,436	1,460	1,573	1,695
Bachelor's	1,009	1,183	1,211	1,251	1,373	1,427
Graduate	181	234	225	209	254	268
31 8008 55	101	234		203		200

Data for each year represent the summer term preceding the academic year plus the
academic year. Graduate include master's at all institutions except Lock Haven, first
professional (excluding medical) and doctor's at Pittsburgh and Temple, and doctor's at Penn
State and Indiana.

 The graduate program is not included because of its very small size.
 Not applicable.

Historical Table 4 AVERAGE WEEKLY STUDENT CONTACT HOURS OF FULL-TIME EMPLOYED FACULTY BY ACADEMIC LEVEL 1984-85 to 1989-90

	<u> </u>	ll-time e	employed	faculty	head co	<u>unt²</u>		age week	Undergr	lent_co					Gradu Ny stud	ent_co		
Institution	1984– 85	1985- 86	1986- 87	1987- 88	1988- 89	1989- 90	1984- 85	1985- 86	1986- 87	1987– 88	1988- 89	1989- 90	1984– 85	1985- 86	1986– 87	1987- 88	1988- 89	1989~ 90
State-related											_							
Lincoln	72	77	72	68	68	71	10.8	9.7	10.2	9.3	9.8	10.0	.9	1.1	1.1	.8	1.4	.8
Penn State	2,711	2,676	2,755	2,803	2,894	2,967	7.4	7.3	7.1	6.9	6.8	6.8	1.8	1.9	1.8	1.9	1.8	1.7
Pittsburgh	1,536	1,542	1,586	1,626	1,643	1,704	5.1	5.0	4.8	4.7	4.4	4.5	4.0	4.0	3.8	3.8	3.6	3.6
Temple	1,181	1,161	1,122	1,125	1,149	1,177	6.3	6.3	5.9	5.7	5.2	5.0	3.4	3.4	3.1	3.2	3.1	3.2
Total	5,500	5,456	5,535	5,622	5,754	5,919	6.5	6.4	6.2	6.1	5.8	5.8	2.8	2.8	2.6	2.7	2.6	2.5
State-owned																		
Bloomsburg	326	326	328	338	338	349	10.8	10.9	10.7	10.4	11.4	11.1	.7	.6	.7	.8	.9	.7
California	257	266	267	259	279	293	12.1	9.4	10.4	10.7	10.7	9.7	1.0	.6 .8	1.0	1.0	1.3	1.1
Cheyney	145	114	146	118	99	112	10.5	9.8	10.2	10.8	11.0	11.4	.4	.4	.7	1.0	.6	.9
Clarion	305	324	323	326	336	336	10.6	10.5	10.5	10.4	10.4	10.3	.6	.5	.6	.6 .8	.7	.7
East Stroudsburg	231	223	239	241	243	251	10.4	10.2	10.4	10.1	10.0	10.6	.8	.8	.8	.8	.9	. 8
Edinboro	322	311	301	303	326	371	11.8	11.8	11.9	12.4	12.9	12.3	.9	.8	.7	.7	.6	.7
Indiana	65 9	661	676	691	689	680	11.0	11.0	10.7	10.6	10.2	10.5	1.2	1.1	1.1	1.2	1.1	1.1
Kutztown	298	309	321	305	347	347	11.9	11.7	11.8	11.7	12.6	11.7	.4	. 4	.4	.4	.5	.5
Lock Haven	166	166	169	172	171	182	11.6	11.4	11.5	11.2	12.1	11.5	na	na	na	na	na	a
Mansfield	166	182	172	173	166	170	11.8	9.6	10.0	9.6	10.3	10.5	1.1	.6	.4	.3	.6	.6
Millersville	292	294	297	314	308	313	10.9	10.9	10.8	13.1	10.8	11.5	.5	.5	.5	6	.6	.7
Shippensburg	292	291	291	317	310	305	9.6	9.5	9.5	9.7	9.8	9.5	.9	.9	1.0	1.0	.9	.9
Slippery Rock	331	334	333	347	350	361	11.4	11.2	11.4	11.2	11.6	11.5	.5	.6	.5	.6	.6	7
West Chester	467	474	431	414	445	440	10.6	10.7	10.4	10.4	10.7	10.2	1.2	1.1	1.2	1.3	1.4	1.7
Total	4,257	4,275	4,294	4,318	4,407	4,510	11.0	10.7	10.8	10.8	11.0	10.8	.8	.7	.8	.8	.8	.9
All institutions	9,757	9,731	9,829	9,940	10,161	10,429	8.5	8.3	8.2	8.0	8.0	7.9	1.9	1.9	1.8	1.9	1.8	1.8

Average calculated using only those full-time employed faculty in the fall who reported a complete workweek of 100 hours or less.
 The number of full-time employed faculty represents those reported by each institution for the fall term.

a. The graduate program is not included because of its very small size.

Not applicable.

Historical Table 5

AVERAGE INSTRUCTIONAL SALARIES OF FULL-TIME EQUIVALENT INSTRUCTIONAL FACULTY BY RANK 1 1984-85 to 1989-90 (Dollars in thousands)

	Number of FFF		A	<u>verage instr</u>	u <u>ctional s</u> al	aries	
Institution	Number of FTE instructional faculty	All faculty	Professor	Associate professor	Assistant professor	Instructor	No rank ²
State-related						_	
Lincoln : 1984-85	103	410.3	407.0	400 3	A	A	4
198586	95	\$19.3 21.3	\$27.0 28.7	\$23.1 24.9	\$17.7 20.4	\$15.5	\$17.7
1986-87	100	20.7	27.5	26.2	20.7	18.3 17.8	14.5 13.8
1987-88	93	21,4	29.3	25.4	21.1	19.6	15.9
1988-89	92	23.1	34.3	29.0	23.2	19.6	15.9
1989-90	101	24.5	36.0	29.7	23.4	16.4	17.4
Penn State 1984-85	3 136	26.0	41.6	22.5	24.0	30.0	
1985-86	3,136 3,146	27.2	41.6 44.3	31.5 33.7	24.9 26.5	18.0 18.2	19.2 19.7
1986-87	3,217	29.5	47.3	35.3	28.5	20.5	21.9
1987-88	3,282	31.2	50.6	38.0	30.5	21.0	22.5
1988-89	3,356	33.3	54.5	40.3	32.5	22.6	24.0
1989~90	3,392	36.0	59.0	42.9	35.2	24.1	25.6
Pittsburgh 1984-85	1,815	26.8	40.3	28.4	22.7	14.7	23.2
1985-86	1,783	28.0	41.8	30.0	23.9	15.6	23.6
1986~87	1,794	29.3	44.4	31.6	25.2	16.0	23.6
1987-88	1,790	32.0	48.1	34.8	26.9	17.5	25.3
1988-89	1,731	33.7	51.9	37.2	28.9	1 <u>8</u> .1	25.8
1989-90 Temple	1,748	35.9	55.8	39.7	31.4	19.7	27.1
1984-85	1 545	26.2	36.9	28.9	23.9	13.1	15 2
1985-86	1,545 1,563	27.2	39.0	31.0	25.0	14.1	15.3 14.5
1986-87	1,527	27.7	39.4	30.6	25.6	15.6	18.4
1987-88	1,570	29.5	43.7	34.2	27.9	16.0	17.1
1988-89	1,553	30.4	45.0	35.7	30.6	17.6	17.6
1989 -9 0	1,559	31.9	48.1	37.5	31.2	17.9	18.3
State-owned							
Bloomsburg							
1984-85	335	28.2	34.9	29.1	22.8	19.2	na
1985-86	339	30.1	37.7	30.9	25.1	20.1	na
1986-87 1987-88	344 361	31.3 32.8	39.8 42.2	32.2 34.4	26.6 27.6	21.4	na
1988-89	357	35.3	44.9	37.2	27.6 29.1	22.4 23.6	na na
1989-90	371	37.7	47.8	38.9	31.2	24.8	na
California					• • • • • • • • • • • • • • • • • • • •	20	
1984-85	245	31.3	36.3	30.4	24.9	18.4	35.5
1985-86 1986-87	260	31.7	37.2	30.9	25.2	17.7	29.7
1985-87	257 280	32.9 36.1	39.7 44.9	32.8 37.6	25.6 29.1	18.1 14.6	16.6
1988-89	290	35.7	44.3	37.5	29.7	22.1	27.7 28.0
1989-90	309	39.2	49.4	40.6	32.1	22.3	33.2
Cheyney					-		
1984-85	144	30.2	35.1	29.2	26.4	21.0	34.1
1985-86 1986-87	136 119	34.7 36.2	40.7 42.8	33.7 34.7	26.3	23.8 25.5	24.6
1987-88	112	30.2 37.7	42.8	34.7 37.8	27.8 29.1	23.3	17.1 15.4
1988-89	92	41.0	51.7	37.3	34.9	25.1	39.0
1989-90	99	43.9	51.0	40.7	37.2	33.4	79.7
Clarion							
1984-85	294	28.6	34.8	29.3	23.5	19.5	20.1
1985-86 1986-87	305 303	29.4 32.0	35.8 39.9	30.5 32.7	24.2 26.2	18.9	24.4
1987-88	303 302	34.7	42.3	35.1	20.2 29.1	21.5 23.1	19.6 23.4
1988-89	336	35.6	45.3	36.5	29.6	22.6	8.7
1989-90	345	38.3	49.5	40.2	31.8	24.3	28.4
East Stroudsburg	2.47			n			
1984-85	247 246	28.1 29.3	33.1 34.6	26.6 28.3	22.5 24.1	16.4	29.4
1985-86 1986-87	246 251	29.3 30.9	37.3	28.3 30.3	24.1	15.2 20.4	n <u>a</u> 3,4
1987-88	261	32.9	40.3	32.1	24.6	20.6	na na
1988-89	265	35.2	42.5	34.0	28.0	24.8	14.5
1989-90	282	37.0	45.0	36.1	30.5	18.6	46.1

Fainboro			11.1				
1984 85	322	30.8	35.4	29.7	24.7	18.7	29.9
1985 -86	319	32.1	36.9	30.7	25.6	20.8	31.4
1986 -87	318	32.5	37.1	31.4	25.9	18.1	27.3
1987-88	322	34.8	40.6	33.5	27.5	23.2	36.1
1988-89	361	36.9	45.4	35.9	28.5	22.2	35.4
1989-90	405	37.6	46.4	39.4	30.4	23.4	na
Indiana							
1984-85	679	27.7	33.B	28.4	22.9	16.6	21.1
1985-86	664	29.3	35.9	29.8	24.7	17.2	28.1
1986-87	681	31.3	38.9	32.6	26.4	18.4	19.5
1987-88	691	33.2	41.5	34.1	27.8	20.3	21.B
1988~89	673	36.1	45.3	36.5	29.7	23.2	17.6
1989-90	681	39.0	47.7	39.1	32.4	23.8	26.4
Kutztown	50.	07.0		35.1	JE. 7	23.0	20.4
1984-85	306	29.5	35.9	29.3	24.0	18.9	31 5
1985-86	317	31.2	37.9	30.7			31.5
1986-87	329	32.B	40.9		24.9	20.0	43.4
1987-88	334			33.0	26.9	20.9	33.6
1988-89		35.7	44.5	35.9	29.7	24.1	35.0
1989-99	338	37.9	46.7	38.8	31.4	24.6	41.5
	354	39.8	48.9	40.5	33.2	25.8	58.0
Lock Haven	•-•						
1984-85	151	31.7	36.9	30.4	24.4	21.5	30.5
1985-86	151	33.0	39.1	31.4	25.7	20 .6	19.6
1986-87	156	34.7	42.2	33.B	26.5	22.1	36.0
1987-88	158	37.4	45.2	36.4	28.9	23.8	20.2
1988-89	159	39.1	48.9	39.5	30.5	24.3	18.7
1989-90	168	39.3	50.7	40.B	31.6	23.3	26.3
Mansfield							
1984-85	168	28.5	36.8	29.2	23.1	17.8	na
1985-86	165	29.7	37.8	30.7	24.2	17.1	na
1986-87	156	32.1	40.2	32.5	26.3	18.4	na
1987-88	149	35.3	44.4	36.1	29.5	18.8	na
1988-89	162	37.2	46.8	37.4	30.9	22.3	na
1989-90	170	38.9	48.5	40.6	33.4	24.2	na
Millersville		50.5	-10.5	→0.0	33.4	L7.6	110
1984-85	327	28.0	34.0	27.9	23.2	19.0	47.6
1985-86	330	29.1	35.5	29.7	23.8	18.5	24.0
1986-87	349	30.6	37.5	31.1	25.1	18.2	
1987-88	349	34.2	42.5	35.6	27.5	19.4	34.9
1988-89	348	36.2	44.8				na
1989-90	355			37.6	29.6	20.5	na
	355	38.6	48.5	40.5	32.5	23.7	na
Shippensburg	200						
1984-85	290	30.2	36.0	29.0	23.9	19.5	34.2
1985-86	292	32.2	38.3	31.1	25.4	19.6	42.1
1986-87	297	33.3	39.6	32.4	26.3	20.6	na
1987-88	300	35.9	42.7	34.4	28.7	23.5	na
1988-89	307	38.3	44.8	36.0	30.7	24.8	na
1989-90	308	41.8	48.7	39.1	32.8	26.1	na
Slippery Rock		*				-	-
198485	324	29.5	35.3	29.4	23.7	19.0	22.3
1985-86	326	30.4	36.9	29.5	24.4	22.6	29.0
198687	330	32.5	40.0	32.6	26.0	21.3	43.8
1987-88	343	35.2	43.3	35.1	28.4	23.8	26.7
1988-89	373	37.7	45.6	39.4	30.1	26.9	20.7 Na
1989-90	383	40.7	49.0	39.8	31.9	37.1	49.6
West Chester	505	70.7	73.0	93.0	31.7	37.1	49.0
1984-85	465	28.8	36.3	29.7	22 €	17 F	36 F
1985-86	477	30.0	38.3	31.2	23.6 24.7	17.5 18.3	36.5
1986-87	477 471						31.8
		31.5	38.6	32.8	26.2	21.2	49.2
1987-88	493	33.1	41.8	35.1	27.5	20.2	33.3
1988-89	521	36.5	47.1	38.5	30.3	21.8	52.0
1989-90	556	38.6	50.2	41.6	32.0	22.8	63.5

^{1.} Average instructional salaries are calculated by dividing the total instructional salaries paid to all staff members in the respective rank categories 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 and graduate assistants and volunteers.

assistants and volunteers.

na. Not applicable.

Historical Table 6 AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER FULL-TIME EQUIVALENT STUDENT BY ACADEMIC DIVISION AND LEVEL 1984-85 to 1989-90

			Lower d	ivisto	1				Upper o	livisio	,			To	otal und	deraradı	ate				Mast	er!s		
Institution	1984- 85	1985- 86	1986- 87	1987- 88	1988- 89	1 989 - 90	1984~ 85	1985- 86	1986- 87	1987- 88		1989- 90	1984- 85	1985- 86		1987- 88	1988~ 89	1989~ 90	1984- 85	1985- 86	1986- 87	1987- 88	1988~ 89	1989- 90
State-related	A1 222	41 350	£1 522	\$1 266	#1 260	4 3 554	ta 201	* 0 510	42.000	* 2.40=	40.600	** ***	41 501	41 500	4. 704	A 1 512	41 510	** ***	43.700	#1 700	41 015	A 1 C 14	.	41 570
Lincoln Penn State	\$1,323 921	962	\$1,532	1,013			\$2,761 1,424	1.486		1.816		2.047	\$1,591 1,094	1.145	\$1,794 1,237	1.268	1,357	1,468	\$1,720 2,359	2.379		2.808	3,077	
Pittsburgh	845	943	990	1.064	1.044	1,126	1,747	1.864	2.050	1.986	2.025	2,047	1,094	1.258	1,237	1.382	1,357	1,408	3,107	3.174	3.241	3.608	3,077	
Temple	1.097	1.165	1.126	1,216	1.180	1.168	1.575	1.663	1.593	1.692	1.638	1,684	1,322	1.397	1.345	1.441	1.394	1.411	2,278	2.247	2.328	2.679	2.657	-,
· cp · c	.,	.,	.,		.,	.,,,,,	1,0.0	.,005	,,,,,,	1,052	1,000	,,001	1,522	1,027	1,010	•,	.,	.,	-,-,-	_,	0,000	C, 0, 3	2,00.	E1, , E
Total	938	998	1,033	1,062	1,092	1,154	1,539	1,617	1,773	1,823	1,870	1,961	1,157	1,227	1,290	1,331	1,371	1,454	2,688	2,693	2,793	3,102	3,232	3,352
Chata armad																								
State-owned Bloomsburg	1.274	1.319	1.322	1.439	1,508	1,585	2,060	2,215	2,296	2,356	2,621	2.852	1,500	1,583	1.607	1.711	1,831	1,958	2,119	2.074	1.997	2,350	2,191	2,317
California	1.246	1.272		1.401	1.345	1.494	2,277	2.230	2.049	2.392	2,176		1,515	1.583	1.547	1.710	1.610	1,790	2,957	3.088	2.958	3.072	3.044	
Chevney	2.002	2.797		2.268	2.497	2.486	3.552	4,826		4.313	4, 197	4.091	2,369	3.274	2.927	2.707	2.862	2.875	4.520	6.769	4.579	3.680	4,297	
Clarion	1.174	1.232	1.360	1.363	1,450	1,571	2.021	2.181	2.397	2.573	2.896	3.273	1.393	1,491	1,635	1.699	1.848	2.041	2,828	2.243	1,911	2.514	2.748	
East Stroudsburg	1,356	1,319	1,438	1,491	1,532	1,620	2,345	2,657	2.863	3.034	3.044	3.209	1,613	1.678	1,784	1,859	1.898	2,013	1,791	1,786	1,555	1,494	2,271	1,776
Edinboro	1,438	1,593	1,558	1,555	1,620	1,734	2,153	2,352	2,276	2,285	2,694	2,924	1,631	1,805	1,769	1,769	1,909	2,047	3,381	2,704	3,052	2,971	3,385	3,802
Indiana	1,035	1,084	1,149	1,188	1,303	1,361	1,952	1,997	2,163	2,327	2,549	2,716	1,324	1,378	1,482	1,558	1,700	1,787	3,569	3,664	3,772	4,278	4,084	3,971
Kutztown	1,182	1,169	1,240	1,305	1,415	1,476	2,444	2,604	2,880	3,096	3,041	3,093	1,587	1,624	1,756	1,853	1,929	2,001	2,234	2,375	2,272	2,476	2,640	2,793
Lock Haven	1,446	1,580	1,567	1,641	1,561	1,639	2,608	2,653	3,022	3,167	3,498	3,202	1,795	1,895	1,997	2,084	2,099	2,082	na	na	na	na	na	9
Mansfield	1,184	1,226		1,277	1,390	1,488	2,887	2,963	3,492	3,683	4,157	3,974	1,624	1,715	1,884	1,919	2,082	2,126	3,115		2,921	3,722	2,844	
Millersville	1,178	1,216		1,406	1,432	1,599	2,370	2,493	2,600	2,795	2,749	2,779	1,433	1,517	1,616	1,764	1,804	1,941	2,017	1,833	2,054	2,182	1,956	
Shippensburg	1,321	1,370	1,413	1,540	1,602	1,737	1,917	2,077	2,144	2,194	2,560	2,852	1,479	1,558	1,615	1,718	1,857	2,022	2,360	2,542	2,607	2.784	3,507	
Slippery Rock	1,222	1,271	1,349	1,431 1,328	1,561	1,710	2,366	2,376		2,735		3,478	1,491	1,540	1,651	1,762	1,949	2,134	2,736	2,922	2,720	3,444	3,423	
West Chester	1,266	1,288	1,324	1,320	1,612	1,783	2,274	2,333	2,122	2,061	2,461	2,594	1,546	1,587	1,556	1,544	1,874	2,049	2,513	2,688	2,548	2,630	3,001	3,262
Total	1,248	1,304	1,349	1,405	1,495	1,606	2,234	2,351	2,434	2,559	2,771	2,934	1,519	1,603	1,662	1,736	1,860	1,990	2,705	2,693	2,614	2,834	2,980	3,031
All institutions	1,085	1,142	1,179	1,223	1,283	1,373	1,799	1,895	2,036	2,114	2,223	2,343	1,317	1,393	1,455	1,512	1,589	1,697	2,694	2,693	2,730	3,005	3,141	3,232

^{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 determined by this method for each rank is summed by level and divided by total full-time equivalent students at that level. In the case of individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

a. The master's program is not included because of its very small size.

na. Not applicable.

Historical Table 6A AVERAGE INSTRUCTIONAL FACULTY SALARY COST PER STUDENT CREDIT HOUR BY ACADEMIC DIVISION AND LEVEL? 1984-85 to 1989-90

	_		Lower o	divisio	า				Upper d	livision	1			10	otal und		ate					ter's		
Institution	1984- 85	1985- 86	1986- 87	1987- 88	1988- 89	1989- 90	1984- 85	1985- 86	1986~ 87	1987- 88	1988- 89	1989- 90	1984- 85	1985- 86	1986- 87	1987- 88	1988- 89	1989~ 90	1984- 85	1985- 86	1986- 87	1987- 88	1988- 89	1989 90
State-related																								
Lincoln	\$44	\$ 45	\$51	\$42	\$45	\$52	\$92	\$84	\$94	\$83	\$87	\$95	\$5 3	\$53	\$60	\$50	\$54	\$60	\$72	\$72	\$76	\$67	\$66	\$66
Penn State	31	32	34	34	36	38	47	50	58	61	64	68	36	38 42	41	42	45	40	98	99	108	117	128	132
Pittsburgh	28	31	33	35	35	38	58 52	62	68	66	68	69	38	42	45	46	46	48	129	132	135	150	157	166
Temple	37	39	38	41	39	39	52	55	53	56	55	56	44	47	45	48	46	47	95	94	97	112	111	113
Total	31	33	34	35	36	38	51	54	59	61	62	65	39	41	43	44	46	48	112	112	116	129	135	140
State-owned																								
Bloomsburg	42	44	44	48	50	53	69	74	77	- 79	87	95	50	53	54	57	61	65	88	86	83	98	91	97
California	42	42	43	47	45	50	76	74	68	80	73	80	51	53	52	57	54	60	123	129	123	128	127	137
Cheyney	67	93	83	76	83	83	118	161	142	144	140	136	79	109	98	90	95	96	188	282	191	153	180	158
Clarion	39	41	45	45	48	52	67	73	80	86	97	109	46	50	54	57	62	68	118	93	80	105	1)4	120
East Stroudsburg	45	44	48	50	51	54	78	89	95	101	101	107	54	56	59	62	63	67	75	74	65	62	95	74
Edinboro	48	53	52	52	54	58	72	78	76	76	90	97	54	60	59	59	64	68	141	112	127	124	141	158
Indiana	34	36	38	40	43	45	65	67	72	78	85	91	44	46	49	52	57	60	149	153	157	178	170	165
Kutztown	39	39	41	44	47	49	81	87	96	103	101	103	53	54	59	62	64	67	93	99	95	103	110	116
Lock Haven	48	53	52	55	52	55	87	88	101	106	117	107	60	63	67	69	70	69	na	na	ña	na	na	
Mansfield	39	41	42	42	46	50	96	99	116	123	139	132	54	57	63	64	69	71	130	132	122	155	119	121
Millersville	39	41	43	47	48	53	7 9	83	87	93	92	93	48	51	54	59	60	65	84	76	86	91	82	84
Shippensburg	44	46	47	51	53	58	64	69	71	73	85	9 5	49	52	54	57	62	67	98	106	109	116	146	154
Slippery Rock	4)	42	45	48	52	57	79	79	85	91	106	116	50	51	55	59	65	71	114	122	113	144	143	122
West Chester	42	43	44	44	54	59	76	78	71	69	82	86	52	53	52	51	62	68	105	112	106	110	125	136
Total	42	43	45	47	50	54	74	78	81	85	92	98	51	53	55	58	62	66	113	112	109	118	124	126
All institutions	36	38	39	41	43	46	60	63	68	70	74	78	44	46	48	50	53	57	112	112	114	125	131	135

^{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 determined by this method for each rank is summed by level and divided by the total student credit-hour production at that level. In the case of individual instruction, one course (assigned) credit is attributed to every three student credit hours generated.

a. The master's program is not included because of its very small size.

na. Not applicable.

Historical Table 7 AVERAGE CLASS SIZES IN CLASSROOM INSTRUCTION BY ACADEMIC DIVISION AND LEVEL $^{\rm 1}$ $^{\rm 1984-85}$ to $^{\rm 1989-90}$

			Lower o	<u>livisi</u> o	n _				Upper o	division	1			To	tal und	ergradu	ate				Mast	er's		
Institution	1984- 85	1985~ 86	1986- 87	1987- 88	1988 89	1989- 90	1984- 85	1985- 86	1986 87	1987- 88	1988- 89	1989 90	1984- 85	1985- 86	1986- 87	1987- 88	1988- 89	1989- 90	1984- 85	1985- 86	1986- 87	1987- 88	1988- 89	1989- 90
State-related																								
Lincoln	18	18	19	. 21	21	21	9	11	11	11	12	13	15	16	16	18	18	19	11	12	12	13	14	15
Penn State	29	30	31	31	31	31	30	30	28	28	29	28	29		30	30	30	30	12	15	14	15	15	15
Pittsburgh	29	29	29	32	33	32	23	23	23	27	27	26	27	30 27	30 27	30	30 31	30	16	16	16	18	15 18	18
Temple	25	25	26	25	26	27	21	21	22	23	24	25	23	23	24	24	25	26	13	13	13	13	13	14
Total	28	29	29	30	30	30	25	26	25	26	27	26	27	27	28	28	29	29	14	14	15	15	15	15
State-owned																								
Bloomsburg	26	23	24	23	25	25	19	16	16	16	17	16	23	20	21	21	22	21	13	13	14	12	14	13
California	28	29	30	29	31	30	16	17	18	18	19	19	24	24	25	25	26	25	9	ģ	10	10	12	11
Cheyney	17	16	17	20	19	20	10	10	ğ	10	ΪÍ	11	15	14	14	16	17	17	á	7	6	8	13	14
Clarion	33	33	33	35	36	36	20	19	17	17	17	16	29	27	26	27	28	27	12	14	16	13	iš	13
East Stroudsburg	28	28	28	28	28	29	17	ié	15	16	16	16	24	24	23	24	24	24	14	15	17	i9	16	20
Edinboro	25	24	25	27	27	26	16	17	17	18	16	15	22	22	22	24	23	22	À	ii	Ġ	ió	ä	Ğ
Indiana	30	30	31	31	31	31	17	17	18	17	17	17	24	24	25	25	25	25	ž	7	ź	7	Ŕ	á
Kutztown	27	29	28	30	29	30	13	14	14	14	16	16	21	22	22	23	23	24	1Ó	ni	12	13	14	12
Lock Haven	27	27.	27	28	28	28	18	18	16	17	12	13	23	23	23	24	21	21	na	na	na	na	na	13
Mansfield	25	26	26	28	28	29	10	10	Ä	'n	9	13	18	18	16	16	17	18	7	7	7	"B	Ϋ́Ω	ä
Millersville	26	26	26	25	25	24	14	13	13	13	13	13	22	21	21	20	20	19	12	13	11	12	13	12
Shippensburg	28	28	28	28	32	29	21	21	21	21	23	19	25	26	26	26	29	25	14	14	12	12	13	10
Slippery Rock	30	29	29	29	30	29	15	15	15	15	15	14	24	26 23	23	23	24	24	iĩ	ii	11	10	13	15
West Chester	24	25	25	25	24	24	15	15	16	17	16	16	21	21	22	22	21	21	10	10	10	10	10	13
Total	27	27	27	28	28	28	16	16	16	16	16	15	23	22	23	23	23	23	10	10	11	11	11	17
	_							_	-												• •	• •		"
All institutions	28	28	28	29	29	29	21	21	20	21	21	21	25	25	25	26	26	26	12	13	13	13	13	14

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

a. The master's program is not included because of its very small size.

na. Not applicable.

Historical Table 8 STATE APPROPRIATIONS FOR INSTRUCTION 1 1984-85 to 1989-90 (in millions)

Institution	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90
State-related						
Lincoln ²	\$5. 5	\$ 5.8	\$7.4	\$7.9	\$8.3	\$9.0
Penn State	118.6	128.3	136.0	142.8	150.6	164.5
Pittsburgh ³	81.5	88.6	93.9	98.6	104.0	113.4
Temple	89.0	93.9	102.1	107.2	113.1	123.3
Total	294.6	316.6	339.4	356.5	376.0	410.2
State-owned						
Bloomsburg	19.2	20.2	21.3	22.4	23.7	26.0
California	15.9	16.4	17.2	18.2	19.4	21.6
Cheyney	11.3	11.6	12.0	12.4	12.5	12.5
Clarion	17.3	18.0	19.3	20.6	21.7	23.3
East Stroudsburg	14.2	14.9	15.8	16.7	17.3	18.8
Edinboro	17.8	19.2	20.2	21.1	21.7	23.4
Indiana	35.2	37.8	39.8	41.9	43.8	47.1
Kutztown	16.8	17.9	19.3	20.7	22.1	24.5
Lock Haven	10.6	11.0	11.7	12.5	13.0	14.0
Mansfield	11.0	11.3	12.2	12.9	13.2	14.0
Millersville	18.9	20.0	21.2	22.3	23.6	25.8
Shippensburg	17.4	18.0	18.8	20.0	21.2	23.0
Slippery Rock	17.9	19.1	20.7	22.3	23.7	25.6
West Chester	25.1	27.0	28.4	29.9	31.9	35.4
Total ⁴	248.6	262.4	277.9	293.9	308.8	335.0
All institutions ⁴	543.2	579.0	617.3	650.4	684.8	745.2

^{1.} For 1984-85 through 1988-89, instructional appropriations include actual funding for educational and general purposes only. For 1989-90, Tuition Challenge

SOURCE: <u>Governor's Executive Budget</u>, 1986-87 to 1990-91, data provided by the State System of Higher Education, Commonwealth of Pennsylvania, 1985 to 1990.

Grants are also included.

2. Includes 1984-85 and 1985-86 appropriation for Human Services and 1986-87 and 1987-88 appropriation for desegretation.

^{3.} Includes appropriation for Titusville campus.

4. Excludes amount of appropriation allocated to Board of Governors/Chancellor's Office and System Reserve.

	<u>Undergraduate</u>		Graduate ¹	
Institution	In-State	Out-of-State	In-State	Out-of-State
State-related				
Lincoln				•
1984-85	\$1,830	\$2,830	\$2,325	\$4,025
1985-86	1,930	2,930	2,300	3,800
1986-87	2,130	3,130	2,500	4,000
1987-88	2,130	3,130	2,500	4,000
1988-89	2,400	3,500	3,250	4,850
1989~90	2,400	3,500	3,250	4,850
Penn State				
Main Campus				
1984-85	2,562	5,146	2,730	5,458
1985-86	2,760	5,544	2,942	5,880
1986-87	2,996	6,018	3,194	6,384
1987-88	3,292	6,610	3,510	7,016
1988~89	3,610	7,248	3,850	7,694
1989-90	3,754	7,900	4,198	8,388
Pittsburgh	,			
Main Campus ²				
1984-85	2,758	5,408	3,240	6,410
1985-86	3,010	5,900	3,592	7,102
1986-87	3,220	6,320	3,862	7,642
1987-88	3,486	6,836	4,202	8,322
1988-89	3,836	7,516	4,632	9,162
1989-90	4,086	8,106	5,046	9,876
Temple ²	2 242			
1984-85	2,940	5,124	3,242	4,058
1985-86 1986-87	3,142	5,480	3,458	4,346
	3,350	5,846	3,698	4,634
1987-88 1988-89	3,564	6,222	3,938	4,922
1989-90	3,894	6,802	4,298	5,378
1909-90	4,046	7,308	4,610	5,786
State-owned				
Bloomsburg				
1984~85	1,714	2,892	1,624	1,714
1985-86	1,744	3,012	1,654	1,836
1986-87	1,824	3,220	1,734	1,926
1987-88	1,990	3,426	1,890	2,100
1988-89	2,290	3,712	2,190	2,462
1989-90	2,398	4,254	2,288	2,758
California	• • • • • • • • • • • • • • • • • • • •	,	_,	-,,,,,,
1984-85	1,830	3,008	1,752	1,842
1985-86	1,860	3,128	1,782	1,964
1986-87	1,970	3,366	1,970	2,162
1987-88	2,120	3,556	2,120	2,330
1988~89	2,500	3,922	2,500	2,772
1989-90	2,548	4,404	2,548	2,968
Cheyney			•	
1984-85	1,730	2,908	1,710	1,800
1985-86	1,775	3,043	1,755	1,937
1986-87	1,880	3,276	1,860	2,052
1987-88	2,030	3,466	2,010	2,220
1988-89	2,340	3,702	2,250	2,527
1989-90	2,388	4,244	2,303	2,723
Clarion				
1984-85	1,758	2,936	1,710	1,800
1985-86	1,792	3,060	1,741	1,923
1986~87	1,882	3,278	1,831	2,023
1987-88	2,038	3,474	1,984	2,194
	2,358	3,780	2,304	2,576
1988-89			วาวก	2,748
1989-90	2,418	4,274	2,328	£ , 7.40
1989-90 East Stroudsburg	2,418	-		
1989-90 East Stroudsburg 1984-85	2,418 1,744	2,922	1,688	1,778
1989–90 East Stroudsburg 1984–85 1985–86	2,418 1,744 1,790	2,922 3,058	1,688 1,730	1,778 1,912
1989-90 East Stroudsburg 1984-85 1985-86 1986-87	2,418 1,744 1,790 1,870	2,922 3,058 3,266	1,688 1,730 1,810	1,778 1,912 2,002
1989-90 East Stroudsburg 1984-85 1985-86 1986-87 1987-88	2,418 1,744 1,790 1,870 1,904	2,922 3,058 3,266 3,340	1,688 1,730 1,810 1,900	1,778 1,912 2,002 2,110
1989-90 East Stroudsburg 1984-85 1985-86 1986-87	2,418 1,744 1,790 1,870	2,922 3,058 3,266	1,688 1,730 1,810	1,778 1,912 2,002

Edinboro				
1984-85	1,758	2.936	1,758	1,848
1985-86	1,870	3,138	1,858	2,040
1986-87	1,950	3,346	1,938	2,130
1987-88	2,120	3,556	2,096	2,306
1988-89	2,390	3,812	2,384	2,656
1989-90	2,438	4,294	2,432	2,852
Indiana	£,450	7,257	2,432	2,652
Main Campus				
1984-85	1,778	2.956	1 710	1 000
1985-86			1,710	1,800
	1,824	3,096	1,748	1,930
1986-87	1,904	3,300	1,828	2,020
1987-88	2,054	3,490	1,978	2,188
1988-89	2,269	3,691	2,231	2,503
1989~90	2,484	4,340	2,404	2,728
Kutztown		·	-,	_,
1984~85	1,708	2,886	1,570	1,660
1985~86	1,738	3,006	1,648	1,830
1986-87	1,848	3,244	1,728	
1987-88	2,022	3,458	1,720	1,920
1988-89			1,902	2,112
	2,322	3,744	2,202	2,474
1989-90	2,380	4,236	2,250	2,670
Lock Haven				
1984-85	1,675	2,853	na	na
1985-86	1,765	3,033	na	na
1986-87	1,845	3,241	na	na
1987-88	1,995	3,431	na	па
1988-89	2,190	3,612	na	na
1989-90	2,358	4,214		
Mansfield	2,330	4,214	à	a
1984-85	1 755	2 022	1 650	
	1,755	2,933	1,650	1,740
1985-86	1,785	3,053	1,680	1,862
1986-87	1,905	3,301	1,780	1,972
1987-88	2,055	3,491	1,930	2,140
1988-89	2,355	3,777	2,230	2,502
1989-90	2,435	4.309	2,318	2,738
Millersville		·	,	-•
1984-85	1,686	2,864	1,590	1,680
1985-86	1,726	2,994	1,620	1,802
1986-87	1,806	3,202		
1987-88	2,040		1,700	1,892
		3,476	1,934	2,144
1988-89	2,350	3,772	2,234	2,506
1989-90	2,536	4,392	2,457	2,877
Shippensburg				
1984-85	1,782	2,960	1,690	1,780
1985-86	1,822	3.090	1,730	1.912
1986-87	1,916	3,312	1,810	2,002
1987-88	2,066	3,502	1,960	2,170
1988-89	2,396	3,818	2,290	2,562
1989-90	2,444	4,300		
Slippery Rock	2,777	4,300	2,338	2,758
	1 766	2 044	. 766	
1984-85	1,766	2,944	1,766	1,856
1985-86	1,838	3,106	1,838	2,020
1986-87	1,922	3,318	1,891	2,083
1987-88	2,116	3,552	2,116	2,326
1988-89	2,442	3.864	2,442	2,714
1989-90	2,504	4,360	2,504	2,924
West Chester		• •	_,,	-,,,,,,
1984-85	1,694	2,872	1,694	1,784
1985-86	1,731	2,999	1,655	1,837
1986-87	1,811	3,207		1,037
1987-88			1,735	1,927
	1,985	3,421	1,897	2,107
1988-89	2,250	3,672	2,250	2,522
1989-90	2,398	4,254	2,398	2,818

Excludes first-professional level.
 Average cost for most programs; fees vary with program.
 The graduate program is not included because of its very small size.
 Not applicable.

SOURCE: Pennsylvania Department of Education, <u>Basic Student Charges at Institutions of Higher Education</u>, 1984-85 to 1989-90 and <u>Colleges and Universities--Basic Student Charges</u>, 1988-89 and 1989-90.

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APPENDIX: MODEL OF FTE SALARY COST DETERMINATION

Average instructional faculty salary cost per student credit hour, at each academic level and in each program area, can be expressed by the following model:

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

The components of the first term are approximately <u>constants or constant relationships</u>. In the short run, neither the number of faculty per course nor the average assigned credit per course can readily be varied to influence FTE salary cost.

The second term contains <u>control variables</u>: instructional faculty average salary, class (section) average 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 salary cost. Adjustments in the number of classes (sections) per course are an alternative to permitting average class size to change with changes in enrollment.

Instructional faculty salary average cost per FTE student, or FTE salary cost, equals the 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.

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