



**RECENT DEVELOPMENTS IN THE TURKISH HIGHER  
EDUCATION SYSTEM**

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**The Council of Higher Education  
August, 1996**

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Prior to 1981 higher education in Turkey was a ternary system, comprising universities, academies, which were roughly the equivalent of polytechnics, and teacher colleges and 2-year vocational schools affiliated to various ministries. Following the enactment of the Higher Education Law in 1981, the system was unified and 8 new universities were formed, mainly from the existing academies, bringing the number of universities to 27. Teacher colleges were converted to faculties, and together with the vocational schools were made parts of the universities. Along with this reorganization, the Council of Higher Education was established as an intermediary body and provisions were made that allowed non-profit foundations to found private universities.

The following period was one of rapid expansion of the system. Total enrollment which was 237,369 in the 1980-1981 academic year increased to 695,710 in 1990-1991, and the total academic staff increased from 20,816 to 33,652 in the same period.

By 1992, the number of universities had increased to 29, including the first private university, and the number of applicants to higher education had risen to 977,500. But the universities could admit only 260,303 students with 83,388 in distance education programmes. To meet the growing demand, 26 new universities were founded between 1992 and 1994, including the second and the third private universities in the country, bringing the total to 56. Thus extension of higher education services throughout the country was essentially completed. The enclosed statistical tables outline the developments from 1981 to 1996.

As of the 1995-1996 academic year, undergraduate enrollment in Turkish universities is as follows:

**Full-time students**

- Bachelor's level.....	541,747
- Pre-licence level (2 Year Voc. Sch.).....	148,930

**Distance Education Programmes**

- Bachelor's level .....	177,125
- Pre-licence level.....	282,338

**Total .....**1,150,137

In addition, 9,099 bachelor's and 1,152 pre-licence level students are enrolled in various military academies and other institutions of higher education, bringing the total to 1,160,388, of which 15,952 are foreign students. This gives a gross enrollment ratio of 22.4 % based on total and 13.5 % based on full-time students alone. Past year's gross enrollment ratios were, 21.0 % and, 12.2 %, respectively.

Breakdown of the full-time enrollment in bachelor's level programmes carried out in the 375 faculties and 59 4-year schools affiliated to the universities according to fields of study is as presently as follows :

Literature and languages .....	4.4 %
Social sciences .....	30.3 %
Education .....	21.6 %
Mathematics and natural sciences .....	9.6 %
Health sciences .....	9.9 %
Engineering .....	17.2 %
Agriculture and forestry .....	5.5 %
Arts .....	1.5 %

Similar breakdown of the full-time enrollment in the pre-licence level programmes carried out in the 371 2-year vocational schools affiliated to the universities is presently as follows :

Social fields .....	36.2 %
Health fields .....	11.8 %
Technical fields .....	44.9 %
Agriculture and forestry .....	4.2 %
Arts .....	2.9 %

The breakdown of the number of graduates from the universities in 1994-1995 according to degree levels was as follows :

Full-time bachelor's level programmes .....	69,613
Full-time prelicenciate level programmes .....	29,297
Distance education programmes .....	98,910
<b>Total .....</b>	<b>132,949</b>

Breakdown of the graduates according to fields of study is essentially the same as that of enrollment. The number of the types of bachelor's level programmes offered in the universities is presently 229 and that of pre-licence level programmes is 111.

The total number of academic staff in the universities which was 43,103 in 1995 is presently 49,234, and those with a Ph.D or an equivalent degree which was 14,690 in 1995 is now 16,317. This gives an average full-time bachelor's level student to academic staff with a Ph.D ratio of 34, and a full-time pre-licence level student to lecturing academic staff ratio of 49 across the country.

Graduate level programmes in the universities include master's and doctoral level programmes and medical specialty training programmes. The total number of graduate students in the universities which was 19,156 in 1983-1984, increased to 41,051 in 1990-1991, and is presently 75,777. Of the present enrollment, 49,853 are in master's, 19,673 are in doctoral and 6,251 are in medical specialty training programmes. With 521

students in other institutions of higher education, the total graduate level enrollment in Turkey is presently 76,298, accounting for 5.7 % of the total enrollment in higher education. The number of foreign graduate students is 1,416.

Breakdown of master's and doctoral level students according to fields of study are presently as follows:

	<u>Master's, %</u>	<u>Doctoral, %</u>
Literature and languages .....	3.1	3.3
Social sciences .....	41.4	32.4
Education .....	8.8	6.2
Mathematics and natural sciences....	6.9	7.8
Health sciences .....	5.1	17.0
Engineering .....	25.6	23.6
Agriculture and forestry .....	6.9	7.8
Arts .....	2.2	1.9

In 1994-1995 5,409 master's, 1,614 doctoral and 801 medical specialty students received their graduate level degree in Turkish universities.

Despite scarce resources allocated to research, the number of articles by Turkish academics published in learned journals significantly increased in the last decade. The number of such articles and Turkey's ranking in the world in terms of publications in journals covered by the three internationally recognized reference indices are shown below for 1985 and 1995:

	<u>1985</u>		<u>1995</u>	
	<u>Number</u>	<u>Rank</u>	<u>Number</u>	<u>Rank</u>
Science citation index .....	493	43	2,812	34
Social science citation index ...	31	43	114	36
Arts and humanities citation index	8	45	20	37
<b>Total no. of articles .....</b>	<b>532</b>		<b>2,946</b>	

By far the major source of income of state universities is the funds allocated through the annual state budget. In fiscal 1995, such funds accounted for 69 %, income generated by state universities themselves, mainly from university hospitals was 27.5 % and that from "student contributions" was 3.5 % of the total income of state universities. Only 7 % of the income from student contributions was spent for education, the rest, 93 %, went to very highly subsidized meals, lodging and medical services provided to the students and to financing extracurricular activities. Thus there are no real tuition fees in Turkey.

Allocation from the state budget per full time student was US \$ 1,579 in 1980, this continuously fell to US \$ 1,433 in 1989, was then increased to US\$ 2,114 in 1990 and to US \$ 2,658 in 1993 from whereon it steadily fell to US \$ 1,509 in 1996. Between 1993, and 1996, the share of higher education in the annual state budget also fell from 4.1 % to 2.6 %, and its ratio to GDP decreased from 0.9 % to 0.8 %.

The scarcity of public resources allocated to higher education is just one side of the coin. Just as important is the line-item budgeting system, essentially prepared by negotiations on the basis of past year's allocations, which allows insufficient discretionary powers to state universities and is based on neither input nor output parameters.

Recent demographic projections by the State Institute of Statistics clearly show that the rate of population growth is declining in Turkey, and that the higher education age cohort will stabilize around the turn of the century. This trend, however, in no way means that the demographic pressure on the Turkish higher education system will ease in the conceivably near future, for enrollment ratios in primary and secondary education are constantly increasing and students are becoming increasingly more selective in the programmes they seek to enter. As a matter of fact, the number of applicants increased to 1,398,776 in 1996 from 1,263,379 in 1995, and first time applicants rose from 469,245 to 547,063. In both cases, the rest of the applicants consist of those who have missed out previously and those who want to change programmes or get second degree in areas with better job prospects.

Thus Turkey is faced with challenge of reconciling quantity with quality in higher education.

Private universities are certainly a means for creating additional capacity. At the present, enrollment in the three private universities account for only 1 % of the total. Although 5 new private universities have been established in 1996, bringing the total number of universities in the country to 61, it is rather unlikely that enrollment in private universities will approach 10 % of the total in the near future.

Presently, around 40.000 Turkish students are studying abroad. Obviously, only those whose families can afford the cost of studying abroad can benefit from this opportunity.

Clearly, state universities will carry by far the major portion of the load of higher education in Turkey. The view held by the Council of Higher Education is that higher education is a semi-public service with an associated cost, which must be partly born by those benefiting from it, and that to reconcile quantity with quality, a healthy competitive environment must be created in the provision of this service, whereby state universities and private universities in Turkey will compete not only among themselves, but also with universities abroad.

Two prerequisites are considered to be sine quo non for fair competition : a) State universities must be equipped with the same financial and administrative decision making powers as those of their competitors; b) academic assessment and evaluation mechanisms, eventually leading to a full accreditation system, must be established so that funding can be linked to performance, and that potential consumers can be properly informed about the alternatives.

Draft legislation along these lines was prepared and submitted to the government in 1996. In the interim, the Council of Higher Education has established the Academic Assessment Board as an advisory body. Rules and regulations governing the operations of this board have been published



in the Official Gazette. Attempts are also underway to incorporate certain incentive mechanisms into the existing budgeting system.

Shortage of qualified academic staff is the major hurdle that must be overcome before the system can be further expanded. Since 1987, universities have been sending research assistants abroad for graduate studies to be trained as future faculty members. The number of such assistants presently studying abroad is 1923. Until the year 2000, 700 students will be annually sent abroad. In order to coordinate this ambitious and costly programme, the Council of Higher Education established the Board for Training Faculty Members and Researchers. Rules and regulations governing the operations of this board have also been published in the Official Gazette. In addition, in 1996 construction of graduate student housing complexes were started in eight of the major universities so that the existing scientific research potential within the country can be fully exploited to this end, as well as increasing the quantity and quality of university research within the country.

Preliminary studies were also started in 1996 for the design and construction of a nationwide distance education system based on advanced telecommunication and education technologies.

To improve the research infrastructure, a project was started in 1996 jointly with the Scientific and Technical Research Council of Turkey to establish an academic network linking all libraries and computing facilities in the universities, with connections to major international networks and data bases. The total cost of the project is US \$ 43 million, the expected completion date is 2000.

**HIGHER EDUCATION STATISTICS  
1981-1996**

**AUGUST, 1996**

TABLE 1

## NUMBER OF HIGH SCHOOL GRADUATES PER YEAR BY SCHOOL TYPE

TYPE OF HIGH SCHOOL	Y E A R S												
	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95
<b>GENERAL HIGH SCHOOLS</b>													
High Schools	99729	122008	107007	121163	119645	131263	136393	144698	176463	192162	262551	247749	229951
Anatolian High Schools	1830	2161	2822	2824	3159	3959	4498	4722	6640	7611	10799	10971	18300
Evening High Schools	1756	775	--	--	--	528	524	663	658	756	782	1120	1193
Science High Schools	90	92	188	282	377	393	421	505	478	770	747	1132	1098
Anatolian Teacher Schools	2275	1791	2353	2588	3293	3250	2892	2565	2966	1348	2452	2967	3839
<b>VOC. &amp; TECH. HIGH SCHOOLS</b>													
Boy's Tech. Education	26696	31823	35115	42500	47935	47118	48839	58419	68617	72991	94317	66512	75733
Girl's Tech. Education	9599	9212	8956	9277	10317	11146	11768	12130	12695	13132	16134	16008	28471
Commerce & Tourism Educ.	21327	22215	22772	21218	20382	24790	23661	30701	38783	41029	48637	42332	56350
Imam & Preacher Schools	10982	13573	13896	15727	15974	17574	17280	17060	18323	20658	26285	46137	41386
Total of Public High Schools	174284	203650	193109	215579	221082	240021	246276	271463	325623	350457	462704	434928	456321
Total of Private High Schools	4720	4542	4711	5362	5371	6337	6867	7593	9921	11411	12278	13834	16517
<b>GRAND TOTAL</b>	<b>179004</b>	<b>208192</b>	<b>197820</b>	<b>220941</b>	<b>226453</b>	<b>246358</b>	<b>253143</b>	<b>279056</b>	<b>335544</b>	<b>361868</b>	<b>474982</b>	<b>448762</b>	<b>472838</b>
Source : Information obtained from Min. of National Education.													

TABLE 2

**RESULTS OF THE UNIVERSITY ENTRANCE EXAMINATIONS CONDUCTED BY STUDENT SELECTION PLACEMENT CENTER (SSPC) BY YEAR  
(PROGRAMMES AT BACHELOR AND PRE-LICENCE LEVELS)**

	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996
Number of Appl. to SSPC	361158	436175	480633	503481	628089	693277	824128	892975	875385	977550	1154571	1249880	1263379	1398776
Num.of Appl.in the Last Year of High Sch.	188536	199280	220162	229328	257858	277419	303077	336651	351941	375432	457476	486284	469245	547063
Share of Last Year Stud.within the Tot.Appl.(%)	52,2	45,7	45,8	45,5	41,1	40,0	36,8	37,7	40,2	38,4	39,6	38,9	37,1	39,1
Num. of High School Graduates	179004	208192	197820	220941	226453	246358	253143	279056	335544	361868	474982	448762	472838	NDA
Students Plac.in 4-Year Sch.& Fac.(bach.)	67881	72931	67916	68139	68202	70465	76484	78707	81335	87086	110844	130390	139767	130164
Students Plac. in 2-Year Voc. Sch.(Pre-licence)	22373	27946	28515	28883	33065	36868	32338	34158	35633	40656	58658	74513	76602	86788
Total of Full-time Programmes	90264	100877	96431	97022	101267	107333	108822	112865	116968	127742	169502	204903	216369	216952
Students Placed in Distance Educ. Prog.	14982	47999	60000	68911	73828	81356	85056	83388	82767	132561	241686	165853	167628	167933
Total No. of Students Admitted	105246	148876	156431	165933	175095	188689	193878	196203	199735	260303	414732	370826	383974	384885
Share of Students Plac.in Dist.Educ.Prog. (%)	14,2	32,2	38,4	41,5	42,2	43,1	43,9	42,5	41,4	50,9	58,3	44,7	43,7	43,6
Share of Last Year High Sch.Students (%)	59,5	49,1	46,6	45,3	40,2	41,5	36,6	37,6	39,4	31,5	23,8	26,9	21,9	21,9
Ratio of Total Plac. to Total Appl. (%)	29,1	34,1	32,5	33,0	27,9	27,2	23,5	22,0	22,8	26,6	35,9	29,7	30,4	27,6
Ratio of Total Plac. to Tot. High Sch. Grad. (%)	59,0	71,5	79,0	75,1	77,3	76,6	76,6	70,3	59,5	72,0	87,3	82,6	81,2	NDA
NDA : No Data Available														

Note : 2 - year vocational schools include the TTC's.

**TABLE 3****NUMBER OF STUDENTS PLACED AND REGISTERED IN DISTANCE EDUCATION PROGRAMMES**

<b>YEAR</b>	<b>CAPACITY</b>	<b>PLACED</b>	<b>REGISTERED</b>	<b>PLACED BUT NOT REGISTERED</b>
<b>1983</b>	<b>35000</b>	<b>14982</b>	<b>18898</b>	<b>NDA</b>
<b>1984</b>	<b>40000</b>	<b>47999</b>	<b>31003</b>	<b>16996</b>
<b>1985</b>	<b>50000</b>	<b>60000</b>	<b>40455</b>	<b>19545</b>
<b>1986</b>	<b>60000</b>	<b>68911</b>	<b>42722</b>	<b>26189</b>
<b>1987</b>	<b>55000</b>	<b>73828</b>	<b>54209</b>	<b>19619</b>
<b>1988</b>	<b>60000</b>	<b>81356</b>	<b>64289</b>	<b>17067</b>
<b>1989</b>	<b>65000</b>	<b>85056</b>	<b>69146</b>	<b>15910</b>
<b>1990</b>	<b>65000</b>	<b>83388</b>	<b>67022</b>	<b>16366</b>
<b>1991</b>	<b>65000</b>	<b>82767</b>	<b>66663</b>	<b>16104</b>
<b>1992</b>	<b>205917</b>	<b>132561</b>	<b>108730</b>	<b>23831</b>
<b>1993</b>	<b>616220</b>	<b>241686</b>	<b>139875</b>	<b>101811</b>
<b>1994</b>	<b>991661</b>	<b>165853</b>	<b>121383</b>	<b>44466</b>
<b>1995</b>	<b>979595</b>	<b>167605</b>	<b>114404</b>	<b>53201</b>
<b>1996</b>	<b>575220</b>	<b>167933</b>	<b>NDA</b>	<b>NDA</b>
<b>NDA: No Data Available</b>				

TABLE 4

## STUDENT ENROLLMENT AND ACADEMIC STAFF IN THE UNIVERSITIES BY YEAR

YEAR	ENROLLMENT					NUMBER OF ACADEMIC STAFF					
	FACULT.	4-YEAR SCH.	DIST. EDUC.	VOC. SCH. (2yrs.)	TOTAL	PROF.	ASSOC. PROF.	ASST. PROF.	OTHER*	RES. ASST.	TOTAL
1983-1984	233655	13231	40874	34560	322320	1823	2596	2407	5023	7908	19757
1984-1985	271436	15793	65774	45182	398185	1891	2792	2503	6312	8451	21949
1985-1986	280820	17017	99063	52514	449414	1877	2899	2484	6659	9049	22968
1986-1987	284372	17679	124247	55302	481600	1911	3142	2714	7088	9527	24382
1987-1988	288035	14830	133586	58730	495181	1970	3331	3384	7383	10543	26611
1988-1989	294449	15665	175223	66381	551718	2772	2864	3469	7796	11213	28114
1989-1990	311363	33964	228860	61642	635829	4433	2181	3555	8340	12681	31190
1990-1991	328980	34967	260962	70801	695710	4678	2359	3683	8815	14117	33652
1991-1992	342697	40580	289745	75828	748850	4738	3121	3632	8957	13832	34280
1992-1993	390114	15004	347145	84040	836303	4932	3460	4089	9572	15527	37580
1993-1994	433064	17359	516826	105063	1072312	5366	3432	4823	10309	17481	41411
1994-1995	471495	21382	477315	125878	1096070	5831	3445	5414	10769	17644	43103
1995-1996	518698	22988	459460	148991	1150137	6581	3571	6165	12390	20527	49234
NOTE : Numbers under distance education include the programmes for two years starting from 1992-1993 academic year onwards.											
* Lecturer, Lector, Specialist, Translator & Education Planner.											

TABLE 5

## ENROLLMENT, GRADUATES AND THE SHARE OF DISTANCE EDUCATION (BACHELOR AND PRE-LICENCE LEVEL)

YEARS	ENROLLMENT							NUMBER OF GRADUATES						
	FAC.	4-YEAR SCH.	V.SCH.(2yrs.)	FULL-TIME TOT	DIST.EDUC.	TOTAL	DIST.EDUC.SHARE	FAC.	V.SCH.(4yrs)	V.SCH.(2yrs)	FULL-TIME TOT	DIST.EDUC.	TOTAL	D.E.SHARE %
1983-1984	233655	13231	34560	281446	40874	322320	12,7	29358	1652	8845	39855	25	39880	—
1984-1985	271436	15793	45182	332411	65774	398185	16,5	31243	1729	10862	43834	30	43864	—
1985-1986	280820	17017	52514	350351	99063	449414	22,0	36116	2609	14253	52978	4870	57848	8,4
1986-1987	284372	17679	55302	357353	124247	481600	25,8	42615	2343	17347	62305	6255	68560	9,1
1987-1988	288035	14830	58730	361595	133586	495181	27,0	46764	2483	17228	66475	5675	72150	7,9
1988-1989	294449	15665	66381	376495	175223	551718	31,8	47581	8199	12321	68101	5493	73594	7,5
1989-1990	311363	33964	61642	406969	228860	635829	36,0	46976	8880	14589	70445	8406	78851	10,7
1990-1991	328980	34967	70801	434748	260962	695710	37,5	47568	8009	16570	72147	9638	81785	11,8
1991-1992	342697	40580	75828	459105	289745*	748850	36,4	55148	2012	18590	75750	9396	85146	11,0
1992-1993	390114	15004	84040	489158	347145*	836303	41,5	60136	2182	19327	81645	12428	94073	13,2
1993-1994	433064	17359	105063	555486	516826*	1072312	48,1	64179	2584	24464	91227	23085	114312	20,2
1994-1995	471495	21382	125878	618755	477315*	1096070	43,5	66893	2720	29310	98923	34039	132962	25,6
1995-1996	518698	22988	148991	690677	459460*	1150137	28,5	NDA	NDA	NDA	NDA	NDA	NDA	NDA
NDA : No Data Available														
* Both bachelor's and pre-licence level programmes in distance education are included.														

**TABLE 6**

**4-YEAR SCHOOLS AND 2-YEAR VOCATIONAL SCHOOLS**

<b>A. 4-YEAR SCHOOLS (BACHELOR'S LEVEL)</b>		
<b>YEAR</b>	<b>NUMBER OF SCHOOLS</b>	<b>NUMBER OF STUDENTS</b>
1983 - 1984	35	13231
1984 - 1985	40	15793
1985 - 1986	41	17017
1986 - 1987	43	17679
1987 - 1988	39	14830
1988 - 1989	42	15665
1989 - 1990	69	33964
1990 - 1991	70	34967
1991 - 1992	74	40580
1992 - 1993	36	15004
1993 - 1994	52	17359
1994 - 1995	56	21382
1995 - 1996	59	22988
<b>B. 2-YEAR VOCATIONAL SCHOOLS (PRE-LICENCE)</b>		
<b>YEAR</b>	<b>NUMBER OF SCHOOLS</b>	<b>NUMBER OF STUDENTS</b>
1983 - 1984	77	34560
1984 - 1985	83	45182
1985 - 1986	88	52514
1986 - 1987	95	55302
1987 - 1988	106	58730
1988 - 1989	118	66381
1989 - 1990	108	61642
1990 - 1991	125	70801
1991 - 1992	132	75828
1992 - 1993	171	84040
1993 - 1994	235	105063
1994 - 1995	320	125878
1995 - 1996	372	148991
<b>Note : Table includes all 2-year schools</b>		
<b>(I.e. Vocational School of Justice, Vocational School of Health Services etc.)</b>		



TABLE 7

## DISTRIBUTION OF ACADEMIC STAFF AND STUDENTS IN FULL-TIME PROGRAMMES BY FIELD OF STUDY (1995-1996)

FIELD OF EDUCATION	PRE-LICENCE LEVEL PROGRAMS			BACHELOR LEVEL PROGRAMMES				GRADUATE LEVEL PROGRAMMES			
	STUDENT	FAC. MEMBER*	LECT.+LECTOR+SPECIALIST	STUDENT	LECTURER	SUPER.+LECTOR+SPECIALIST	RATIO**	M.OF SCIENCE	DOCTORAL	SPEC***	RATIO**
TURKISH LANG. & LITER.	--	--	--	8037	163	196	49	866	384	--	8
WESTERN LANG. & LITER.	--	--	239	12220	173	435	71	563	220	--	5
OTHERS	--	--	--	3403	74	1114	46	134	49	--	2
<b>TOTAL LANG. &amp; LITER.</b>	--	--	<b>239</b>	<b>23660</b>	<b>410</b>	<b>1745</b>	<b>58</b>	<b>1563</b>	<b>653</b>	--	<b>5</b>
BASIC SOCIAL SCIENCES	--	11	55	11615	292	61	40	1725	567	--	8
HISTORY	--	--	--	7891	188	229	42	1212	502	--	9
HISTORY OF ARTS & ARCH.	--	--	--	4099	104	49	39	497	892	--	13
THEOLOGY	725	10	10	10889	346	180	31	1794	632	--	7
ECONOMICS	--	--	--	27611	335	76	82	2190	551	--	8
POL.SCIENCES & PUBLIC ADM.	804	--	--	8343	157	28	53	141	55	--	1
FOREIGN RELATIONS	198	--	--	5198	65	22	80	594	183	--	12
BUSINES ADM. & MANAG.	47853	27	270	39840	550	205	72	6942	1408	--	15
LAW	1665	2	5	19448	242	24	80	1009	373	--	6
OTHER	2704	29	141	29444	390	157	75	4525	1203	--	15
<b>TOT. OF SOCIAL SCI.</b>	<b>53949</b>	<b>79</b>	<b>481</b>	<b>164378</b>	<b>2669</b>	<b>1031</b>	<b>62</b>	<b>20629</b>	<b>6366</b>	--	<b>10</b>
EDUCATIONAL SCIENCES	--	--	--	7217	266	134	27	1297	400	--	6
KINDERGARTEN TEACHING	--	--	--	1630	7	8	233	28	--	--	4
PRIMARY SCH. TEACHING	--	--	--	24471	49	253	499	19	--	--	--
NAT. SCIENCES TEACHING	--	--	--	18119	209	142	87	549	143	--	3
SOCIAL SCIENCES TEACHING	--	--	--	7902	86	93	92	244	93	--	4
FOREIGN LANG. TEACHING	--	--	--	14692	136	373	108	509	133	--	5
TURKISH LANG.&LITER.TEACH	--	--	--	5922	85	81	70	171	55	--	3
ARTS EDUCATION	--	--	--	5733	164	173	35	375	71	--	3
FITNESS & SPORTS TEACH.	--	--	--	11807	69	397	171	345	105	--	7
TECHNICAL TRAINING	--	--	--	11944	87	249	137	675	180	--	10
VOCATIONAL TRAINING	--	--	--	6850	74	141	93	182	40	--	3
OTHER	--	--	--	746	55	116	14	8	1	--	--
<b>TOTAL OF EDUCATION</b>	--	--	--	<b>117033</b>	<b>1287</b>	<b>2160</b>	<b>91</b>	<b>4402</b>	<b>1221</b>	--	<b>4</b>
MATHEMATICS	--	--	--	13953	394	100	35	562	235	--	2
PHYSICS	--	--	--	11452	433	76	26	769	329	--	3
CHEMISTRY	--	--	--	11222	496	70	23	838	478	--	3
BIOLOGY	--	--	--	10258	382	69	27	825	413	--	3
OTHERS	--	--	--	4970	100	25	50	427	88	--	5

TABLE 7 (CONTINUED)

## DISTRIBUTION OF ACADEMIC STAFF AND STUDENTS IN FULL-TIME PROGRAMMES BY FIELD OF STUDY (1995-1996)

FIELD OF EDUCATION	PRE-LICENCE LEVEL PROGRAMS			BACHELOR LEVEL PROGRAMMES				GRADUATE LEVEL PROGRAMMES			
	STUDENT	FAC. MEMBER*	LECT.+LECTOR+SPECIALIST	STUDENT	LECTURER	SUPER.+LECTOR+SPECIALIST	RATIO**	M.OF SCIENCE	DOCTORAL	SPEC***	RATIO**
TOT.OF NAT. SCI.	--	--	--	51855	1805	340	161	3421	1543	--	3
MEDICINE	--	--	1	33135	3997	640	8	1442	1396	6249	2
DENTAL SURGERY	546	--	--	5633	379	26	15	3	638	2	2
PHARMACY	--	--	--	4727	266	35	18	376	245	--	2
VETERINARY MED.	1133	--	--	5395	340	28	16	155	881	--	3
OTHER	15904	31	200	4873	147	47	33	575	184	--	5
TOT. OF HEALTH SCI.	17583	31	201	53763	5129	776	10	2551	3344	6251	2
CIVIL ENGINEERING	11575	6	104	11822	333	85	36	1583	377	--	6
MECHANICAL	17002	9	150	16091	458	94	35	1823	460	--	5
ELECTRICAL-ELECTRONICS	20878	6	153	12562	267	78	47	1564	472	--	8
COMPUTER SCIENCE	5468	3	51	3595	124	37	29	625	162	--	6
CHEMICAL	765	--	--	5656	201	30	28	603	252	--	4
EARTH SCIENCES	5728	5	43	14512	476	68	30	1453	601	--	4
METALURGY	466	--	9	1855	69	6	27	392	121	--	7
ARCHITECTURE	457	--	--	9693	376	135	26	1840	1320	--	8
OTHER	4406	36	394	17388	512	196	34	2866	881	--	7
TOTAL OF ENGINEERING	66745	65	904	93174	2816	729	33	12749	4646	--	6
AGRICULTURE	6354	1	37	27052	957	158	28	3022	1434	--	5
FORESTRY	1	--	2	2375	104	4	23	412	95	--	5
TOT.OF AGRIC. & FOREST.	6355	1	39	29427	1061	162	28	3434	1529	--	5
ARTS	4359	2	26	8396	410	797	20	1104	371	--	4
OTHER FIELDS	--	99	889	--	189	1521	--	--	--	--	--
TOTAL	148991	277	2781	541686	15587	7740	35	49853	19673	6251	5
OTHER INSTITUTIONS											
HEALTH	1452	1	83	9099	401	443	23	34	45	442	1
GRAND TOTAL	150443	278	2864	550785	15988	8183	34	49887	19718	6693	5
* Faculty member includes professors, associate professors and assistant professors											
**Student/Faculty member ratio											
***Medical Specialty training programmes											
P.S. : 1) Geology, Geophysics, Mining, Petroleum, Geodesy & Photogrammetry Departments are included in Earth Sciences.											
2) Number of students do not include students in distance education programmes.											

TABLE 8

## DISTRIBUTION OF STUDENTS AMONG UNIVERSITIES (1995-1996)

UNIVERSITIES	BACHELOR AND PRE-LICENCE LEVEL				GRADUATE LEVEL			
	2-YEAR VOC.SCH.(PRE-LICENCE)	4-YEAR SCHOOLS(BACH.)	FAC.(BACH.)	TOTAL	MAS. OF SCIENCES	DOCTORAL	MED. SPEC. TR.	TOTAL
ABANT İZZET BAYSAL U.	(4)* 3460	(1) 185	(5) 3352	6997	(2) 96	9	--	105
ADNAN MENDERES U.	(6) 464	(1) 966	(4) 918	2348	(2) 38	21	--	59
AFYON KOCATEPE U.	(16) 5827	--	(5) 2412	8239	(2) 151	8	--	159
AKDENİZ U.	(5) 3718	(2) 842	(4) 2806	7366	(3)** 135	47	170	352
ANADOLU U. (FORMAL EDUC.)	(3) 1330	(5) 1787	(12) 12499	15616	(3) 1002	219	--	1221
ANADOLU U. (DIST.EDUC.)	--	--	459460	459460	--	--	--	--
ANKARA U.	(9) 4081	(2) 340	(12) 32025	36446	(4) 3561	1872	410	5843
ATATÜRK U.	(10) 2762	(2) 501	(12) 19022	22285	(4) 638	489	177	1304
BALIKESİR U.	(11) 3249	(1) 983	(4) 4498	8730	(2) 172	38	--	210
BAŞKENT U.	(1) 120	(2) 86	(2) 118	324	(1) 35	--	--	35
BİLKENT U.	(3) 1633	(2) 1330	(7) 5201	8164	(4) 502	127	--	629
BOĞAZIÇI U.	(1) 754	(1) 171	(4) 7276	8201	(6) 1020	299	--	1319
CELAL BAYAR U.	(12) 1259	(2) 986	(5) 4605	6850	(3) 112	31	--	143
CUMHURİYET U.	(6) 3124	(1) 347	(5) 5484	8955	(3) 371	110	157	638
ÇANAKKALE 18 MART U.	(9) 2171	(1) 85	(7) 3080	5336	(1) 139	--	--	139
ÇUKUROVA U.	(6) 2598	(1) 10	(10) 12964	15572	(3) 1606	594	196	2396
DİCLE U.	(9) 1655	--	(10) 7986	9641	(3) 110	66	195	371
DOKUZ EYLÜL U.	(5) 4133	(4) 676	(10) 23854	28663	(4) 1764	802	322	2888
DUMLUPINAR U.	(17) 3186	--	(5) 5721	8907	(2) 326	14	--	340
EGE U.	(8) 4504	(3) 1490	(10) 17183	23177	(3) 1831	861	376	3068
ERCİYES U.	(7) 5523	(1) 520	(11) 9551	15594	(3) 462	184	234	880
FIRAT U.	(10) 2770	--	(7) 7225	9995	(3) 374	285	127	786
GALATASARAY U.	--	--	(4) 588	588	--	--	--	--
GAZİ U.	(7) 4508	(2) 1034	(17) 35767	41309	(3) 3624	867	273	4764
GAZİANTEP U.	(3) 1371	(1) 146	(4) 2457	3974	(3) 74	37	53	164
GAZİOSMANPAŞA U.	(9) 2822	(1) 74	(2) 2109	5005	(2) 124	45	--	169
GEBZE HIGH TECH. INST.	--	--	--	--	(1) 279	10	--	289
HACETTEPE U.	(2) 2975	(9) 4177	(9) 17753	24905	(8) 1891	1033	521	3445
HARRAN U.	(9) 2132	--	(6) 2309	4441	(2) 242	57	--	299
İNÖNÜ U.	(6) 2826	--	(6) 6457	9283	(3) 397	146	104	647
İSTANBUL U.	(6) 6382	(2) 840	(15) 53293	60515	(5) 8520	4009	1515	14044
İSTANBUL TECHNICAL U.	(2) 174	(1) 1063	(11) 15275	16512	(3) 4256	2090	--	6346

TABLE 8 (CONTINUED)

## DISTRIBUTION OF STUDENTS AMONG UNIVERSITIES (1995-1996)

UNIVERSITIES	BACHELOR AND PRE-LICENCE LEVEL				GRADUATE LEVEL			
	2-YEAR VOC.SCH.(PRE-LICENCE)	4-YEAR SCHOOLS(BACH.)	FAC.(BACH.)	TOTAL	MAS. OF SCIENCES	DOCTORAL	MED. SPEC. TR.	TOTAL
KAFKAS U.	(3) 362	(1) 78	(3) 512	952	(2) 8	26	—	34
K.MARAŞ SÜTÇÜ İMAM U.	(5) 1649	—	(3) 840	2489	(2) 38	60	—	98
KARADENİZ TECHNICAL U.	(12) 6135	—	(13) 15957	22092	(3) 1093	314	193	1600
KIRIKKALE U.	(2) 2120	—	(3) 664	2784	(2) 150	—	—	150
KOCAELİ U.	(8) 3793	—	(6) 5519	9312	(2) 572	76	—	648
KOÇ U.	—	—	(2) 615	615	(1) 85	—	—	85
MARMARA U.	(6) 4282	(2) 1939	(12) 30408	36629	(6) 5025	1507	171	6703
MERSİN U.	(7) 2527	(1) 662	(5) 1187	4376	(2) 114	7	—	121
MİMAR SİNAN U.	(1) 126	(1) 264	(3) 4113	4503	(2) 327	182	—	509
MUĞLA U.	(5) 850	(1) 46	(2) 1828	2724	(2) 35	—	—	35
MUSTAFA KEMAL U.	(7) 2974	(1) 244	(6) 2019	5237	(2) 38	1	—	39
NİĞDE U.	(8) 2882	(1) 594	(6) 4721	8197	(2) 95	6	—	101
ONDOKUZ MAYIS U.	(12) 3697	—	(9) 17315	21012	(3) 351	213	204	768
ORTA DOĞU TECHNICAL U.	(1) 198	—	(5) 15702	15900	(3) 2716	701	—	3417
OSMANGAZİ U.	(3) 485	—	(4) 5054	5539	(2) 320	191	178	689
PAMUKKALE U.	(3) 776	(1) 21	(5) 4545	5342	(2) 270	2	30	272
SAKARYA U.	(6) 3099	—	(5) 3360	6459	(2) 608	157	—	765
SELÇUK U.	(24) 7401	(2) 501	(13) 23566	31468	(3) 808	608	193	1609
SÜLEYMAN DEMİREL U.	(11) 6182	—	(12) 7663	13845	(3) 374	82	51	507
TRAKYA U.	(20) 8793	—	(7) 7959	16752	(3) 623	222	197	1042
ULUDAĞ U.	(8) 3436	—	(8) 22602	26038	(3) 947	384	204	1535
YILDIZ TECHNICAL U.	(1) 967	—	(7) 12058	13025	(2) 1097	362	—	1459
YÜZÜNCÜ YIL U.	(11) 2737	—	(6) 5382	8119	(3) 218	174	—	392
ZONGULDAK KARAEMLAS U.	(5) 2009	—	(5) 1321	3330	(1) 89	28	—	117
<b>TOTAL OF UNIVERSITIES</b>	<b>(371) 148991</b>	<b>(59) 22988</b>	<b>(375) 978158</b>	<b>1E+06</b>	<b>(148) 49853</b>	<b>19673</b>	<b>6251***</b>	<b>75747</b>
<b>TOTAL EDUCATIONAL INST.</b>	<b>(7) 1452</b>	<b>(5) 8169</b>	<b>(1) 930</b>	<b>10551</b>	<b>(1) 34</b>	<b>45</b>	<b>442****</b>	<b>521</b>
<b>TOTAL OF TURKEY</b>	<b>(378) 150443</b>	<b>(64) 31157</b>	<b>376) 979088</b>	<b>1E+06</b>	<b>(149) 49887</b>	<b>19718</b>	<b>6693</b>	<b>76268</b>
* Number of units attached to the university providing the mentioned degree								
** Number of institution attached to the university								
*** 26 Faculty of Medicine, 2 Faculty of Dental Surgery and 1 Cardiology Institution								
**** 1 Faculty of Medicine (GATA), 34 Hospitals and Medicine Centres								

TABLE 9

**STUDENT FACULTY MEMBER RATIOS IN UNIVERSITIES\*\*  
(1995-1996 FULL-TIME PROGRAMMES)**

UNIVERSITIES	NO.OF FAC.MEMBERS	NUMBER OF REGISTERED STUDENTS			STUDENT/ FAC.MEMBER RATIO		
		BACH. LEVEL*	GRAD. LEVEL	PHD	BACH. LEVEL	GRAD. LEVEL	PHD
ABANT İZZET BAYSAL U.	73	3537	96	9	48	1	1
ADNAN MENDERES U.	88	1884	38	21	21	1	1
AFYON KOCATEPE U.	23	2412	151	8	105	7	1
AKDENİZ U.	227	3648	135	47	16	1	1
ANADOLU U.	334	14286	1002	219	43	3	1
ANKARA U.	1381	32365	3561	1872	23	3	1
ATATÜRK U.	563	19523	638	489	35	1	1
BALIKESİR U.	52	5481	172	38	105	3	1
BAŞKENT U.	32	204	35	—	6	1	—
BİLKENT U.	175	6531	502	127	37	3	1
BOĞAZIÇI U.	202	7447	1020	299	37	5	1
CELAL BAYAR U.	96	5591	112	31	58	1	1
CUMHURİYET U.	212	5831	371	110	28	2	1
ÇANAKKALE 18 MART U.	32	3165	139	—	99	4	—
ÇUKUROVA U.	476	12974	1606	594	27	3	1
DIĞLE U.	216	7986	110	66	37	1	1
DOKUZ EYLÜL U.	541	24530	1764	802	45	3	1
DUMLUPINAR U.	33	5721	326	14	173	10	1
EGE U.	944	18673	1831	861	20	2	1
ERCIYES U.	284	10071	462	184	35	2	1
FIRAT U.	297	7225	374	285	24	1	1
GALATASARAY U.	18	588	—	—	33	—	—
GAZİ U.	867	36801	3624	867	42	4	1
GAZİANTEP U.	98	2603	74	37	27	1	1
GAZİOSMANPAŞA U.	52	2183	124	45	42	2	1
GEBZE HIGH TECH.INST.	19	—	279	10	—	15	1
HACETTEPE U.	1110	21930	1891	1033	20	2	1
HARRAN U.	44	2309	242	57	52	6	1
İNÖNÜ U.	135	6457	397	146	48	3	1
İSTANBUL U.	1635	54133	8520	4009	33	5	2
İSTANBUL TECHNICAL U.	788	16338	4256	2090	21	5	3
İZMİR HIGH TECH.INST.	22	—	—	—	—	—	—

TABLE 9 (CONTINUED)

**STUDENT FACULTY MEMBER RATIOS IN UNIVERSITIES\*\*  
(1995-1996 FULL-TIME PROGRAMMES)**

UNIVERSITIES	NO.OF FAC.MEMBERS	NUMBER OF REGISTERED STUDENTS			STUDENT/ FAC.MEMBER RATIO		
		BACH. LEVEL*	GRAD. LEVEL	PHD	BACH. LEVEL	GRAD. LEVEL	PHD
KAFKAS U.	31	590	8	26	19	1	1
K.MARAŞ SÜTÇÜ İMAM U.	34	840	38	60	25	1	2
KARADENİZ TECNICAL U.	409	15957	1093	314	39	3	1
KIRIKKALE U.	51	664	150	—	13	3	—
KOCAELİ U.	170	5519	572	76	32	3	1
KOÇ U.	12	615	85	—	51	7	—
MARMARA U.	729	32347	5025	1507	44	7	2
MERSİN U.	59	1849	114	7	31	2	1
MİMAR SİNAN U.	236	4377	327	182	19	1	1
MUĞLA U.	28	1874	35	—	67	1	—
MUSTAFA KEMAL U.	31	2263	38	1	73	1	1
NİĞDE U.	39	5315	95	6	136	2	1
ONDOKUZ MAYIS U.	309	17315	351	213	56	1	1
ORTA DOĞU TECNICAL U..	602	15702	2716	701	26	5	1
OSMANGAZİ U.	255	5054	320	191	20	1	1
PAMUKKALE U.	143	4566	270	2	32	2	1
SAKARYA U.	125	3360	608	157	27	5	1
SELÇUK U.	519	24067	808	608	46	2	1
SÜLEYMAN DEMİREL U.	162	7663	374	82	47	2	1
TRAKYA U.	270	7959	623	222	29	2	1
ULUDAĞ U.	497	22602	947	384	45	2	1
YILDIZ TECNICAL U.	331	12058	1097	362	36	3	1
YÜZÜNCÜ YIL U.	154	5382	218	174	35	1	1
ZONGULDAK KARAEMLAS U.	52	1321	89	28	25	2	1
<b>AVERAGE TOTAL OF UNIV.</b>	<b>16317</b>	<b>541686</b>	<b>49853</b>	<b>19673</b>	<b>33</b>	<b>3</b>	<b>1</b>
* Faculties and four-year Schools.							
**Faculty member includes professors, associate professors and assistant professors.							

TABLE 10

## SUCCESS RATES OF RESEARCH ASSISTANTS SENT ABROAD FOR GRADUATE STUDIES

UNIVERSITIES	RESEARCH ASSISTANTS RETURNED WITH MSc	RESEARCH ASSISTANTS RETURNED WITH Ph.D.	RESEARCH ASSISTANTS RETURNED WITH BOTH MSc & Ph.D.	TOTAL OF SUCCESSFUL RESEARCH ASSISTANTS	RESEARCH ASSISTANTS RETURNED WITHOUT A DEGREE	RESEARCH ASSISTANTS WHO RETURNED WITHOUT A DEGREE DUE TO HEALTH CONDITIONS	RESEARCH ASSISTANTS WHO RETURNED WITHOUT A DEGREE DUE TO OTHER REASONS	RESEARCH ASSISTANTS WHO DIDN'T COME BACK	RESEARCH ASSISTANTS WHO ARE STILL STUDYING	RESEARCH ASSISTANTS WHO REMAINED	GENERAL SUM
ABANT İZZET BAYSAL U.	--	--	--	--	1	1	--	--	55	--	57
ADNAN MENDERES U.	1	--	--	1	--	--	--	--	58	--	59
AFYON KOCATEPE U.	--	--	--	--	1	2	--	--	59	--	62
AKDENİZ U.	--	4	--	4	--	--	--	1	4	--	8
ANADOLU U.	50	21	1	72	8	1	3	--	20	--	104
ANKARA U.	3	39	2	44	1	--	1	18	45	--	110
ATATÜRK U.	11	30	3	44	2	--	7	1	21	--	75
BALIKESİR U.	1	4	--	5	1	1	--	--	59	--	65
BOĞAZİÇİ U.	4	18	--	22	3	--	--	1	8	--	34
CELAL BAYAR U.	1	--	--	1	--	--	--	--	58	1	60
CUMHURİYET U.	--	1	13	14	--	3	--	2	27	--	46
ÇANAKKALE 18 MART U.	1	--	--	1	--	1	--	--	58	--	60
ÇUKUROVA U.	1	48	1	50	--	--	2	1	24	--	77
DİCLE U.	2	3	5	10	1	1	--	5	27	--	44
DOKUZ EYLÜL U.	2	31	2	35	--	--	4	1	30	--	70
DUMLUPINAR U.	--	--	--	--	--	1	--	--	59	2	63
EGE U.	6	46	--	52	1	2	6	2	6	--	69
ERCIYES U.	3	13	1	17	--	1	1	--	20	--	39
FIRAT U.	--	10	--	10	--	--	--	1	24	--	35
GALATASARAY U.	--	--	--	--	--	--	--	--	6	--	6
GAZİ U.	10	36	--	46	5	--	4	9	16	8	88
GAZİANTEP U.	3	18	1	22	2	--	--	3	7	--	34
GAZİOSMANPAŞA U.	--	--	--	--	--	--	--	--	64	--	64
GEBZE HIGH TECH. INST.	--	--	--	--	--	--	2	--	61	1	64
HACETTEPE U.	1	43	3	47	--	--	1	10	32	--	90
HARRAN U.	--	--	--	--	--	--	--	--	52	--	52
İNÖNÜ U.	1	15	10	26	7	2	--	1	17	--	53
İSTANBUL U.	2	68	1	71	4	1	8	2	18	--	104
İSTANBUL TECHNICAL U.	2	12	8	22	1	--	6	4	28	--	61

TABLE 10 (CONTINUED)

## SUCCESS RATES OF RESEARCH ASSISTANTS SENT ABROAD FOR GRADUATE STUDIES

UNIVERSITIES	RESEARCH ASSISTANTS RETURNED WITH M.B.C.	RESEARCH ASSISTANTS RETURNED WITH Ph.D.	RESEARCH ASSISTANTS RETURNED WITH BOTH M.B.C. & Ph.D.	TOTAL OF SUCCESSFUL RESEARCH ASSISTANTS	RESEARCH ASSISTANTS RETURNED WITHOUT A DEGREE	RESEARCH ASSISTANTS WHO RETURNED WITHOUT A DEGREE DUE TO HEALTH CONDITIONS	RESEARCH ASSISTANTS WHO RETURNED WITHOUT A DEGREE DUE TO OTHER REASONS	RESEARCH ASSISTANTS WHO DIDN'T COME BACK	RESEARCH ASSISTANTS WHO ARE STILL STUDYING	RESEARCH ASSISTANTS WHO RESIGNED	GENERAL SUM
İZMİR HIGH TECH. İNS.	--	--	--	--	1	--	--	--	58	--	59
KAFKAS U.	--	1	--	1	1	--	1	2	58	--	61
K.SÜTCÜ İMAM U.	--	--	--	--	2	--	--	--	55	--	57
KARADENİZ TECHNICAL U.	1	--	49	50	17	--	--	8	13	--	88
KIRIKKALE U.	1	--	--	1	1	--	--	--	54	2	58
KOCAELİ U.	--	--	--	--	--	--	--	--	66	--	66
MARMARA U.	4	26	2	32	3	3	9	6	23	--	78
MERSİN U.	--	--	--	--	1	2	--	--	55	--	58
MUĞLA U.	1	--	--	1	4	--	--	--	55	--	60
MİMAR SİNAN U.	1	1	--	2	1	--	9	--	6	--	18
MUSTAFA KEMAL U.	--	--	--	--	--	--	1	1	57	--	59
NİĞDE U.	2	--	--	2	--	--	--	--	59	--	61
ONDOKUZ MAYIS U.	--	23	3	26	1	--	2	--	27	--	66
ORTA DOĞU TECHNICAL U.	--	27	--	27	1	1	--	7	34	--	70
OSMANGAZİ U.	--	--	14	14	2	--	1	--	18	--	36
PAMUKKALE U.	--	--	--	--	2	--	--	1	52	--	55
SAKARYA U.	1	7	--	8	--	--	--	1	62	--	71
SELÇUK U.	3	14	--	17	1	--	17	--	16	--	61
SÜLEYMAN DEMİREL U.	--	3	--	3	2	--	--	1	55	--	61
TRAKYA U.	--	6	--	6	1	1	1	1	18	--	28
ULUDAĞ U.	1	18	3	22	4	2	--	1	28	--	67
YILDIZ TECHNICAL U.	--	11	--	11	5	1	3	--	20	--	40
YÜZÜNCÜ YIL U.	--	11	1	12	--	2	--	1	23	--	38
ZONGULDAK K.ELMAS U.	--	2	--	2	1	--	1	--	48	--	52
GENERAL SUM	120	610	123	853	89	29	90	92	1923	14	3090



TABLE 11

## THE BREAKDOWN OF RESEARCH ASSISTANTS SENT ABROAD ACCORDING TO COUNTRIES

COUNTRIES	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	TOTAL
ENGLAND	38	210	91	131	108	73	447	52	94	23	--	1267
UNITED STATES OF AMERICA	67	138	53	64	66	62	748	65	170	45	--	1478
GERMANY	7	17	5	13	14	13	45	2	12	1	--	129
CANADA	24	17	3	3	--	2	6	1	--	--	--	56
FRANCE	5	12	7	4	8	3	13	6	9	--	--	67
SWITZERLAND	6	1	1	3	1	1	2	--	--	--	--	15
AUSTRIA	2	1	--	3	4	2	3	--	1	--	--	16
NETHERLANDS	--	1	--	2	1	--	3	1	1	--	--	9
ITALY	--	1	1	2	--	1	--	1	--	--	--	6
SWEDEN	--	1	--	2	--	--	--	--	--	--	--	3
RUSSIAN	--	--	--	--	3	1	2	--	1	--	--	7
JAPAN	--	--	--	2	1	--	1	3	1	--	--	8
NORWAY	--	1	1	--	1	--	--	--	--	--	--	3
HUNGARY	--	--	--	--	--	1	--	--	--	--	--	1
DENMARK	--	--	--	--	1	--	1	--	--	--	--	2
BELGIUM	--	1	--	--	--	--	1	--	--	--	--	2
FINLAND	--	--	--	--	--	--	--	1	--	--	--	1
AUSTRALIA	--	--	--	--	--	1	14	1	--	1	--	17
GREECE	--	--	--	--	--	--	--	1	--	--	--	1
NORTHERN IRELAND	--	--	--	--	--	--	--	--	--	1	--	1
KAZAKHSTAN	--	--	--	--	--	--	1	--	--	--	--	1
TOTAL	149	401	162	229	208	160	1287	134	289	71	--	3090

TABLE 12

NUMBERS OF STUDENTS IN GRADUATE-LEVEL PROGRAMMES

YEARS	NUMBER OF NEW REGISTRATIONS			ENROLLMENT			NUMBER OF GRADUATES		
	MASTER OF SCIENCE	PH.D	MEDIC. SPEC.	MASTER OF SCIENCE	PH.D	MEDIC. SPEC.	MAST.OF SCI.	PH.D	MEDIC. SPEC.
1983-1984	4516	932	--	9059	4336	--	1473	805	595
1984-1985	4832	934	644	11215	5577	2364	1831	522	502
1985-1986	6997	1616	833	12285	5443	2850	2184	504	648
1986-1987	7198	2257	929	14078	6702	2711	3449	812	557
1987-1988	8200	2684	1148	16884	7732	3705	3397	626	530
1988-1989	8164	2774	1080	18171	8887	4197	3327	787	671
1989-1990	9329	2856	873	22456	10593	4280	3839	1006	792
1990-1991	9279	2723	1059	25006	11705	4340	4189	1437	973
1991-1992	11971	3150	1160	30615	12838	4330	4318	1351	795
1992-1993	11255	3293	1348	33442	13949	4664	4611	1358	711
1993-1994	12940	3269	1336	35797	14752	4961	5051	1456	811
1994-1995	15097	3757	1358	41012	16025	5410	5409	1614	801
1995-1996	16628	4032	1495	49853	19673	6251	--	--	--

TABLE 13

## BUDGET ALLOCATION FOR EDUCATION BY YEAR

YEAR	BUDGER ALLOCATION CURR.PRIC.(BIL.TL)			TOTAL EDUCATION BUDGET		HIGHER EDUCATION BUDGET			EXC. RATE	TOT. EDUC. EXP. PER CAPITA	
	MONE*	HIGHER ED.	TOTAL	BUD. SHARE %	RATIO TO GNP %	SHARE IN TOTAL ED.BUD. %	SHARE IN TOTAL BUD.%	RATIO TO GNP %	TL/USD	USD	MIL.TL(96 P.)**
1980	88.3	29.3	117.6	16.1	2.21	24.9	4.0	0.55	89.3	30	2.57
1981	147.3	46.5	193.8	12.9	2.42	24.0	3.1	0.58	132.3	32	2.96
1982	187.2	54.8	242.0	13.8	2.25	22.6	3.1	0.51	184.9	28	2.84
1983	287.7	95.5	383.2	15.2	2.73	24.9	3.8	0.68	280.0	29	3.40
1984	341.6	118.2	459.8	14.2	2.02	25.7	3.7	0.52	442.5	21	2.77
1985	466.0	150.1	616.1	12.3	1.72	24.4	3.0	0.42	574.0	21	2.52
1986	618.5	221.1	839.6	11.6	1.59	26.3	3.0	0.42	755.9	21	2.45
1987	928.6	322.0	1,250.6	11.3	1.63	25.7	2.9	0.42	1,018.4	23	2.52
1988	1,794.4	614.5	2,411.9	11.6	1.84	25.5	2.9	0.47	1,813.0	25	2.70
1989	2,967.1	1,050.7	4,017.9	12.2	1.72	26.2	3.2	0.45	2,311.4	32	2.70
1990	8,506.5	2,205.4	11,011.9	17.1	2.80	22.8	3.9	0.56	2,927.1	67	4.85
1991	13,850.2	4,291.2	18,141.4	17.9	2.92	23.7	4.2	0.69	5,074.8	62	5.02
1992	303,637.2	8,996.7	39,353.9	18.9	3.67	22.9	4.3	0.84	8,555.9	79	6.82
1993	57,546.4	16,659.5	74,205.9	22.0	4.01	22.5	4.1	0.90	10,860.0	114	7.98
1994	93,580.5	31,182.8	124,763.3	15.1	4.42	25.0	3.8	1.10	31,180	66	3.47
1995	135,572.4	45,232.0	180,804.4	13.5	3.61	25.1	3.2	0.90	42,887	68	4.93
1996	257,601.1	92,172.7	349,773.8	9.8	3.0	26.4	2.6	0.80	*)79,649	68	5.46

\* MONE : Ministry of National Education

\*\* 1\$ = 79,649 TL.(June 1996)

TABLE 14

## HIGHER EDUCATION BUDGET AND BUDGET ALLOCATION PER STUDENT BY YEAR

YEAR	HIGHER EDUCATION BUDGET (Billion TL)		BUDGET ALLOCATION PER STUDENT (Million TL) 1996 Prices		BUDGET ALLOCATION PER STUDENT (US\$) Current Prices		SHARE OF RECURRENT* EXPENDITURE IN THE BUDGET (%)	RECURRENT* EXPENDITURE PER STUDENT US \$ (Current)	
	Current prices	1996 prices	Full-time	Total***	Full-time	Total***		Full-time	Total ***
1980	29.3	32,519.4	124.89	120.30	1.579	1.521	76	1.200	1.155
1981	46.5	36,271.4	159.34	152.79	2.014	1.932	77	1.551	1.487
1982	54.8	33,785.4	149.05	140.52	1.885	1.778	73	1.376	1.297
1983	95.5	45,606.4	180.91	161.98	2.287	2.048	76	1.738	1.556
1984	118.2	39,677.7	119.75	134.56	1.701	1.494	79	1.343	1.180
1985	150.1	35,309.3	100.41	84.60	1.270	1.070	76	965	813
1986	221.1	37,272.4	100.47	79.29	1.270	1.002	78	990	781
1987	322.0	38,029.9	99.84	75.28	1.263	952	75	947	714
1988	614.5	39,312.9	100.82	75.08	1.369	1.020	72	985	734
1989	1,050.7	46,204.9	113.30	79.25	1.433	1.002	66	945	661
1990	2,505.4	73,949.2	167.17	109.85	2.114	1.389	72	1.522	1.000
1991	4,291.2	76,856.4	162.54	104.30	2.055	1.319	74	1.520	976
1992	8,996.7	100,337.9	180.89	118.81	2.288	1.503	77	1.761	1.157
1993	16,659.5	116,355.9	181.51	129.29	2.658	1.632	77	2.046	1.256
1994	31,182.8	90,067.4	137.06	90.21	2.025	1.185	75	1.519	889
1995	45,232.0	77,030.1	112.33	55.14	1.538	755	80	1.230	604
1996	92,172.7	92,172.7	120.25	75.18	1.509	943	69	1.042	651

\* Personnel Expenditures, Total of Other Recurrent Expenditures and Transfers

\*\* June 1996 US 1\$ = TL 79.649

\*\*\* Total includes students in distance education programmes.

TABLE 15

## DISTRIBUTION OF HIGHER EDUCATION INVESTMENT ALLOCATIONS BY SUB SECTORS

YEARS	TOTAL INVESTMENT ALLOCATIONS (MILLION TL.)		DISTRIBUTION BY SUB-SECTORS(%)		
	CURRENT PRICES	1996 PRICES	EDUCATION	HEALTH	OTHER
1985	37.712	8.871.324	72.1	27.9	—
1986	50.486	8.510.788	71.9	28.1	—
1987	79.161	9.349.356	73.6	26.4	—
1988	171.278	10.957.584	68.9	21.9	0.2
1989	351.941	15.476.737	68.7	30.1	1.2
1990	647.837	19.121.517	72.6	25.1	2.1
1991	1.198.014	21.456.710	60.8	35.1	4.1
1992	2.052.441	22.890.357	56.0	41.7	2.3
1993	3.759.940	26.260.782	60.7	37.6	1.7
1994	7.842.265	22.651.365	65.2	31.3	3.5
1995	8.923.450	15.196.636	59.9	34.7	5.4
1996	25.441.754	25.441.754	66.2	29.3	4.5

TABLE 16

**BREAKDOWN OF THE INCOME OF STATE UNIVERSITIES BY SOURCE**  
(Million TL.at current prices)

YEAR	TOTAL BUDGET ALLOCETION (Million TL)					INCOME RECEIVED	INCOME GENERATED BY UNIVERSITIES			STUDENT CONTRIBUTIONS	TOTAL	BREAKDOWN OF INC. BY SOURCE (%)		
	PERSON.	OTH.RECC.	INVEST.	TRANS.	TOTAL		REV. FUND*	OTHERS**	TOTAL			TREA.	UNIV.	EDUC.
1983	53.054	14.876	23.385	4.206	95.521	77.650	NDA	2.079	NDA	NDA	NDA	NDA	NDA	NDA
1984	61.780	21.875	27.130	7.402	118.187	112.305	NDA	1.093	NDA	978	NDA	NDA	NDA	NDA
1985	75.000	24.500	37.712	14.502	151.714	148.711	NDA	3.461	NDA	9.432	NDA	NDA	NDA	NDA
1986	110.000	37.000	50.486	25.000	222.486	225.268	NDA	7.850	NDA	13.190	NDA	NDA	NDA	NDA
1987	156.027	55.172	79.261	30.164	320.624	357.171	NDA	16.040	NDA	15.051	NDA	NDA	NDA	NDA
1988	320.000	90.000	171.038	32.743	614.444	599.893	159.992	20.521	180.512	22.321	802.727	74,8	22,5	2,7
1989	500.800	147.678	356.686	45.519	1.050.683	1.349.902	351.186	46.850	398.036	24.349	1.772.287	76,1	22,5	1,4
1990	1.704.400	302.862	709.206	87.166	1.505.362	2.780.753	618.036	69.862	687.898	60.412	3.529.063	78,8	19,5	1,7
1991	2.704.400	515.000	1.198.014	278.580	4.695.994	5.149.624	1.077.563	182.203	1.259.766	65.718	6.475.108	79,5	19,5	1,0
1992	5.600.000	835.000	2.165.231	522.671	9.122.671	8.617.127	1.786.108	182.879	1.968.987	137.655	10.723.769	80,3	18,4	1,3
1993	10.000.000	1.529.100	3.198.940	967.474	16.659.514	14.725.568	3.213.737	381.079	3.594.816	425.157	18.745.541	78,5	19,2	2,3
1994	18.808.000	3.218.500	7.842.265	1.314.055	31.182.820	28.834.345	7.189.873	493.778	7.683.651	1.108.889	37.616.885	76,6	20,4	2,9
1995	30.000.000	5.000.000	8.923.450	1.309.320	45.232.770	43.268.165	15.926.889	1.310.330	17.237.219	2.214.730	62.720.114	69,0	27,5	3,5
1996	55.002.000	8.631.257	25.441.754	3.097.739	92.172.750	87.564.113	35.486.478	3.014.829	38.501.307	9.419.610	135.485.030	64,6	28,4	7,0

NDA : No Data Available

\* Revolving fund consists of income received from contract research, health services and similar activities

\*\* Canteen, Cafeteria, Dormitory, Rental, etc. incomes