

**RESOLUTION
OF THE CABINET OF MINISTERS OF THE REPUBLIC OF UZBEKISTAN**

October 4, 2001

№ 400

Tashkent

**About Measures on Perfection of Preparation of Pedagogical Staff for Secondary
Specialized Vocational Education Institutions**

With the purposes of:

- increase in the level and quality of preparation of pedagogical staff in secondary specialized vocational education institutions
- supplying academic lyceums and professional colleges with highly skilled pedagogical and engineering-pedagogical staff, which meets the requirements of the state educational standards and the National program on training of personnel.

The Cabinet of Ministers decides:

1. To determine as the basic directions for development of system of training, retraining and improvement of professional skills of teachers of academic lyceums and professional colleges for 2001-2010 years:
 - Ensuring continuous professional growth and improvements of professional skills of teaching staff in academic lyceums and professional colleges, and also of faculty staff in those higher education institutions, that participate in their training;
 - Introduction of advanced international pedagogical experience into educational process, added by use of modern methods and enhancing the practice of training in leading educational centers of developed countries the faculty staff of those higher education institutions, which conduct training, retraining and improvement of professional skills of teachers of secondary specialized vocational education institutions system;
 - Preparation of engineering and pedagogical staff with use of industrial potential of enterprises with modern technologies, by means of deepening their cooperation and collaboration with basic higher education institutions;
 - Organization of a regular, not less that once in three years, attestation of leaders and teachers of academic lyceums and professional colleges;
 - Introduction of Distance Education methods in training of pedagogical staffs, with wide use of opportunities of modern information technologies and international information network Internet.
2. Ratifies:
 - Program of Preparation, Retraining and Improvement of Professional Skills of Pedagogical and Technical-Pedagogical Staff in Secondary Specialized Vocational Education System for the period up to 2010 according to Appendix #1;
 - List of Higher Education Institutions Specialized on Training and Improvement of Professional Skills of Pedagogical and Technical Staff in Secondary Specialized Vocational Education System according to Appendix #2.
3. To the State Testing Center jointly with Center for Secondary Specialized, Vocational Education and Ministry of Higher and Secondary Specialized Education starting from academic year 2001/2002, carry out monitoring and evaluate quality of personnel training in the system of secondary specialized, vocational education according to the state educational standards.

4. To the Ministry of Higher and Secondary Specialized Education:
 - jointly with interested ministries and departments in one month develop state requirements for retraining pedagogical personnel;
 - in two month revise and approve study plans and programs of retraining of managing and teaching personnel of academic lyceums and professional colleges according to the development of the system of secondary specialized, vocational education for years 2001-2010;
 - annually, according to the results of the monitoring of the professional level of the personnel training in the system of secondary specialized, professional education, determine quantitative parameters and order of retraining and improving qualification of pedagogical personnel of academic lyceums and professional colleges;
 - in one month with Ministry of Labor and Social Protection of the Republic of Uzbekistan develop and ratify Statement about qualification requirements to managing, pedagogical and engineering-pedagogical personnel of academic lyceums and professional colleges;
 - jointly with Ustoz Foundation develop and implement measures on realization of major directions of development of the system of training, retraining and improving qualification of teaching personnel of academic lyceums and professional colleges for years 2001-2010;
 - jointly with Soviet of Ministers of the Republic of Karakalpakstan, hokims (governors) of regions and Tashkent city develop and implement measures on developing role of the academic lyceums and professional colleges as center of education, culture, mass computer literacy, assisting spiritual and intellectual development of youth and society, social status and influence of teachers of academic lyceums and professional colleges in the society.

5. Approve the proposal of the Center for Secondary Specialized, Vocational Education to include the directors of academic lyceums and professional colleges into the nomenclature of the Cabinet of Ministers. To the Deputy Prime Minister, Head of the Social Complex of the Cabinet of Ministers of the Republic of Uzbekistan (H.S. Karamatov) jointly with the Personnel and Organizational Service of the State Advisor of the President of the Republic of Uzbekistan in 15 days develop and approve the order of appointing directors of academic lyceums of professional colleges who passed competition.

6. To the Center for Secondary Specialized and Vocational Education, State Testing Center jointly with Ministry of Labor and Social Protection of Population in two month develop, approve and register in the Ministry of Justice of the Republic of Uzbekistan:
 - Statement on attestation managing, pedagogical and engineering-pedagogical personnel of the system of secondary specialized, vocational education;
 - Statement on competitive selection process of managing and teaching personnel in the system of secondary specialized, vocational education.

7. To the Ministry of Finance of the Republic of Uzbekistan:
 - in forming yearly State Budget allocate necessary resources to the Ministry of Higher and Secondary Specialized Education and the Center for Secondary Specialized, Vocational Education for training, retraining, improving qualification and attestation of managing, pedagogical, and engineering-pedagogical personnel of academic lyceums and professional colleges;
 - jointly with Ministry of Foreign Economic Relations, Ministry of Foreign Affairs, Center for Secondary Specialized, Vocational Education plan to use resources of grants and foreign credits for buying educational equipment and for retraining and improving qualification of teachers in leading educational centers of developed countries.

8. Responsible for carrying out this Resolution is Deputy Prime Minister of the Republic of Uzbekistan H.S. Karamatov.

Chairman of the Cabinet of Ministers

I. Karimov

Appendix №1
Resolution of the Cabinet of Ministers
of the Republic of Uzbekistan
of October 4, 2001, # 400

PROGRAM
of Preparation, Retraining and Improvement of Professional Skill
of Pedagogical and Technical-Pedagogical Staff
in Secondary Specialized Vocational Education System
for the period up to 2010

I. General Provisions

Forming and development of the system of secondary specialized, professional education includes provision of academic lyceums and professional colleges with highly qualified pedagogical personnel and forming competitive sphere of their activity.

Two-level system of training pedagogical personnel with higher education and a network of institutions of retraining and improving qualification of teaches was established on the starting stage of realization of the National Program for Personnel Training.

This Program plans deepening the process of reforms according to the tasks of the new stage of realization of the National Program for Personnel Training, assists improving the quality of education and training personnel for branches of the economy of the republic by transforming and improving the system of training, retraining and improving qualification of managing, pedagogical and engineering-pedagogical personnel of secondary specialized, professional educational institutions.

II. The Purpose and Tasks of the Program

The **Purpose of the Program** is to provide academic lyceums and professional colleges with the highly skilled pedagogical and technical-pedagogical staffs meeting the requirements of the state educational standards, by their preparation, retraining and improvement of professional skills on a regular basis.

The **Basic Task** is to improve the structure and the contents of the system of preparation, retraining and improvement of professional skills of pedagogical and technical-pedagogical staff.

The realization of the purpose requires deciding the following **Tasks**:

1. Development of flexible educational programs of training, retraining and improving qualification of pedagogical personnel according to the requirements of the system of secondary specialized, professional education;
2. Strengthening material and technical base of higher education institutions specialized on preparation, retraining and improvement of professional skills of pedagogical and technical-pedagogical staff;
3. Improving professional level of teaching personnel of higher educational institutions, departments, and centers for retraining and improving qualification of pedagogical and engineering-pedagogical personnel, expansion of foreign language studies;

4. Implementation of integrated with production (dual) system of professional education into training, retraining and improving qualification;
5. Introduction of advanced modern pedagogical technologies into the process of improving professional level of pedagogical and technical-pedagogical staff;
6. Yearly determination of the following indicators providing ahead training, retraining and improving professional level of pedagogical and engineering-pedagogical personnel:
 - prognosis indicators of absolute and additional demand in pedagogical and engineering-pedagogical personnel;
 - sources to cover demand of academic lyceums and professional colleges in pedagogical and engineering-pedagogical personnel;
 - indicators of training, retraining and improving qualification of pedagogical and engineering-pedagogical personnel;
 - sources of financing of the system of training, retraining and improving qualification of pedagogical and engineering-pedagogical personnel.

III. Organizational Measures for Realization of Tasks.

Preparation of pedagogical and technical-pedagogical staff

Training of new pedagogical and engineering-pedagogical personnel is carried out according to state educational standards of higher education based on educational plans of programs for bachelor's and master's degree.

Training of bachelors of pedagogical and engineering-pedagogical fields will be carried out from graduates of 11th grade of general schools, academic lyceums and professional colleges, and training masters – on the base of bachelor's programs in the field of pedagogy.

Training of teachers of general subjects will be carried out in basis and leading universities and pedagogical institutes of the republic according to the demand of secondary specialized, professional institutions.

Training of teachers of specialized subjects and engineering-pedagogical personnel in branch directions of professional colleges will be carried out non specialized chairs and faculties of higher educational institutions.

The issues of General management. Determination of ways and methods for perfection of pedagogical and technical-pedagogical staff preparation system, Compiling the List of higher education institutions, which carry out preparation, retraining and improvement of professional skills of pedagogical staffs, and also Coordination of their activity, irrespective of their jurisdiction to any ministry, will be an authority of the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan.

The Center for Secondary Specialized, Vocational Education acts as a sponsor for training pedagogical and engineering-pedagogical personnel for academic lyceums and professional colleges, determines demand, number and quality indicators of training pedagogic and engineering-pedagogic personnel of academic lyceums and professional colleges.

The structure of training of pedagogical personnel for secondary specialized, vocational education is give in Appendix 1.

Knowledge and skills necessary for pedagogical activity are determined by qualification requirements of the Center of Secondary Specialized, Vocational Education and by the Ministry of Labor and Social Protection of the Republic of Uzbekistan.

Improving of the system of pedagogical and engineering-pedagogical personnel training is realized by the Ministry of Higher and Secondary Specialized Education by:

- renewing study plans and programs, based on the state educational programs of the system of secondary specialized, professional education;
- development and improvement of scientific-methodological base for training pedagogical and engineering-pedagogical personnel;

- implementation of integrated with industry (dual) system of training pedagogical and engineering-pedagogical personnel, using educational base of secondary specialized, professional institutions and industrial base of production enterprises;
- introduction of interactive methods of education using modern information technologies and Internet;
- implementation of stage-by-stage attestation of teachers of higher educational institutions specialized on training, retraining and improving qualification of pedagogical and engineering-pedagogical personnel.

Retraining and improving qualification of pedagogical and engineering-pedagogical personnel

Retraining pedagogical personnel is ahead renewal of their professional knowledge, skills and qualification according to state educational standards of secondary specialized, professional education and educational programs, worked out on the base of modern requirements.

Retraining assumes studying state educational standards of secondary specialized, professional education, new pedagogical technologies, deepening knowledge in the sphere of development technique, industrial technologies and foreign languages.

Retraining will cover pedagogical and engineering-pedagogical personnel, being freed from general schools, professional technical schools and secondary specialized educational institutions. Duration of retraining is determined by the ordering party, depending on the level of professional qualification of teaching personnel.

Improving qualification of personnel is deepening and improving their professional knowledge, skills and qualification according to state educational standards of secondary specialized, professional education and receiving modern knowledge in subjects assisting in forming high pedagogical skills.

Periodicity of improving qualification of pedagogical and engineering-pedagogical personnel of secondary specialized, professional education is once in three years. Duration of training is determined depending on the level of professional qualification of teaching personnel and according state requirements.

Retraining and improving qualification of pedagogic personnel will be carried out in institutes, faculties and specialized centers of higher educational institutions on the request of the Center for Secondary Specialized, Vocational Education.

The level of education of the personnel, who received training, must meet the qualification requirements of the ordering party.

One of the forms of improving qualification of pedagogic and engineering-pedagogic personnel will continued, which is training in educational and training centers of developed countries. Special attention will be paid to organization of trainings funded by "USTOZ" Republican Foundation and secured for these purposes foreign grants and credits.

Based on the experience of foreign training centers, in professional colleges of Uzbekistan there must be created basis centers for studying innovative methods of education.

Retraining and improving qualification of teachers of general subjects will be carried out in leading and basis universities according to the demand of secondary specialized, professional institutions, of teachers of specialized subjects and engineering-pedagogical personnel will be carried out in specialized chairs, faculties and centers of higher educational institutions.

Distant form of retraining and improving qualification with use of Internet and e-mail will be widely implemented.

The issues of General management, Determination of ways and methods for perfection of pedagogical and technical-pedagogical staff preparation system, Compiling the List of higher

education institutions, which carry out preparation, retraining and improvement of professional skills of pedagogical staffs, and also Coordination of their activity. Irrespective of their jurisdiction to any ministry, will be an authority of the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan.

The Center for Secondary Specialized, Vocational Education acts as a sponsor for training pedagogical and engineering-pedagogical personnel for academic lyceums and professional colleges, determines demand, number and quality indicators of training pedagogic and engineering-pedagogic personnel of academic lyceums and professional colleges.

Study programs and plans on retraining and improving qualification of pedagogical and engineering-pedagogical personnel of academic lyceums and professional colleges are developed by the higher educational institutions and approved by the Center for Secondary Specialized, Professional Education;

Appendix #2: Structure of the system of retraining and improving qualification of pedagogical personnel of the secondary specialized, professional education.

Improvement of the system of retraining and improving qualification of pedagogic and engineering-pedagogic personnel is carried out by the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan by:

- strengthening scientific-methodological base and realizing continuous renewal of state requirements in the system of retraining and improving qualification of personnel;
- development and approbation of various study plans and differentiated study programs, directed on teaching modern methods and forms of teaching in academic lyceums and professional colleges;
- attestation of teachers of institutes, chairs, faculties and centers for improving qualification;
- organization of seminar classes of trainees in basis secondary specialized, professional, educational institutions, and for trainees in specialized subjects -- in leading industrial enterprises with modern technologies and equipment;
- creation of regional basis centers in professional colleges on studying innovative methods of teaching using modern foreign achievements;
- creation of the system and mechanism of distance education for trainees with utilization of modern information technologies and Internet.

IV. INDICATORS OF TRAINING, RETRAINING AND IMPROVING QUALIFICATION OF PEDAGOGIC AND ENGINEERING-PEDAGOGIC PERSONNEL

According to prognoses, by year 2010 absolute demand for pedagogic and pedagogic-engineering personnel will be more than 167,000 people (Table 1).

Demand of 178 academic lyceums to be introduced by year 2010 will be 8,400 teachers, and the demand of 1,689 professional colleges will increase to 158,800 teachers (Tables 2, 3 and 4).

For covering demand in the perspective to 2010 it is expected to increase training of pedagogic and engineering-pedagogic personnel for the system of secondary specialized, professional education. According to estimates, for full manning of the academic lyceums and professional colleges it is required to prepare 101,200 specialists, meaning that the number of pedagogical and engineering-pedagogic students in higher education should be 9,000-10,000 annually. (Table 5)

Besides, over 77,000 teachers being freed from general education schools and old forms of secondary specialized institutions will be drawn to academic lyceums and professional colleges. Teachers from higher education also will be drawn, especially to academic lyceums.

Number of retrained and improving qualification teachers will be from 16,000 to 56,000 (Tables 6 and 7).

Estimated balance of meeting the demand of academic lyceums and professional colleges in pedagogical and engineering-pedagogical personnel is given in Table 8.

V. INTERNATIONAL COOPERATION IN THE FIELD OF TRAINING, RETRAINING AND IMPROVING QUALIFICATION OF PEDAGOGIC PERSONNEL.

With the purpose of realization of priority directions of international cooperation, widening exchange with scientific-pedagogical personnel and pedagogical experience, in the frame of realization of goals and tasks of this Program the Ministry of Higher and Secondary Specialized Education of the Republic of Uzbekistan and the Center for Secondary Specialized, Vocation Education will:

- strengthen international cooperation of the universities of the republic with leading universities of developed countries, establish electronic communications with them via Internet;
- wider attraction of scientific-pedagogical personnel of leading foreign countries into the process of training of pedagogical and engineering-pedagogical personnel of academic lyceums and professional colleges;
- activate foreign trainings of heads of chairs and teachers of higher and secondary specialized, professional institutions, securing for these purposes grants and credits of international financial institutions;
- increase the number of foreign trainings of teachers of universities and centers for improving qualification, leaders and teachers of academic lyceums and professional colleges through "USTOZ" Republican Foundation.

VI. STRENGTHENING MATERIAL AND TECHNICAL BASE OF EDUCATIONAL INSTITUTIONS, PARTICIPATING IN THE PROCESS OF TRAINING, RETRAINING AND IMPROVING QUALIFICATION

Improving the content of training, retraining and improving qualification of pedagogical and engineering-pedagogical personnel will be along with strengthening educational and material-technical base of higher educational institutions, chairs, faculties and centers.

With this purpose the Ministry of Higher and Secondary Specialized Education will:

- study the level and state of material-technical base of the universities, chairs, faculties and centers for improving qualification of higher educational institutions and a program of measures to improve their equipment will be developed;
- implement measures on introducing computer equipment, audio and video materials and Internet into the process of education,
- develop multimedia educational programs;
- implement measures in introducing modern distance training, retraining and improving qualification system for pedagogical personnel;
- attract additional grants, credits and effectively use non-budgetary resources for equipping higher educational institutions.

VII. SOURCES OF FUNDING THE PROGRAM

The program of training, retraining and improving qualification of pedagogical and engineering-pedagogical personnel will be funded by:

- budget allotments planned in annual parameters of republican and local budget for these purposes;
- resources of higher educational institutions, coming from tuition fees and other non-budgetary income;
- resources of sponsors and trustees of educational institutions;
- resources of grants and foreign credits, attracted for purchasing equipment, improving educational process and the process of training, retraining and improving qualification of teachers;
- resources of "USTOZ" Republican Foundation;
- other resources, not conflicting with provisions of the current legislation.

別添資料 5

大臣会議令 400 号

付表 1 中等専門教育機関の必要教員数

年 地域	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
カラカルパクス タン自治共和国	2587	4704	7216	8222	9026	9367	9504	9588	9704	9743
アンディジャン	2611	4446	6572	7510	8310	9016	9616	11268	13256	15502
ブハラ	1714	3219	4872	5473	5833	6397	6936	7684	8582	9220
ジザク	980	1810	2768	3123	3587	4185	4861	5550	6493	7331
カシカダリヤ	2287	3861	5765	6451	7521	8583	9417	11539	14030	16983
ナボオイ	904	1544	2389	2747	3245	3767	4282	4765	5217	5352
ナマンガン	2079	3954	5851	6917	7953	9253	10513	11732	13160	14391
サマルカンド	2630	4746	6924	7433	8108	9550	11930	14689	17660	19795
スルハンダリヤ	1458	2492	3842	4649	5865	7100	8508	9935	11711	13489
シルダリヤ	881	1396	1973	2203	2599	3020	3403	3741	4078	4287
タシケント	1825	3147	4772	5295	6254	7441	8884	10390	12399	14038
フェルガノ	2435	4360	6815	7836	9591	11022	12743	14040	16425	18462
ホレズム	1673	2832	4129	4633	5449	6177	6919	7605	8535	9125
タシケント市	4043	6417	8115	8413	8666	8713	8762	8971	9200	9550
ウズベキスタン 共和国(計)	28107	48928	72003	80905	92007	103591	116278	131497	150450	167268

付表 2 アカデミックリセ(AL)の必要教員数

年 地域	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
カラカルパクス タン自治共和国	80	109	162	189	244	302	359	401	444	473
アンディジャン	129	133	186	265	348	439	515	579	637	678
ブハラ	102	102	146	198	248	298	337	371	430	475
ジザク	69	82	120	137	161	184	198	218	237	257
カシカダリヤ	72	79	125	168	225	278	326	369	407	430
ナボオイ	48	55	91	102	112	112	127	141	155	155
ナマンガン	58	89	127	161	209	271	348	444	541	608
サマルカンド	97	105	161	248	375	516	662	803	988	1120
スルハンダリヤ	34	81	121	153	182	219	243	271	305	339
シルダリヤ	126	126	126	129	152	166	180	180	194	209
タシケント	94	155	240	287	341	375	403	417	446	460
フェルガノ	84	105	150	202	319	466	626	767	888	956
ホレズム	47	47	62	102	141	180	200	239	273	307
タシケント市	662	662	796	1002	1166	1284	1365	1568	1677	1991
ウズベキスタン 共和国(計)	1702	1930	2613	3343	4223	5090	5889	6768	7622	8458

付表3 職業高等学校(PC)の必要教員数

年 地域	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
カラカルパクス タン自治共和国	2507	4595	7054	8033	8782	9065	9145	9187	9260	9270
アンディジャン	2482	4313	6386	7245	7962	8577	9101	10689	12619	14824
ブハラ	1612	3117	4726	5275	5585	6099	6599	7313	8152	8745
ジザク	911	1728	2648	2986	3426	4001	4663	5332	6256	7074
カシカダリヤ	2215	3782	5640	6283	7296	8305	9091	11170	13623	16553
ナボオイ	856	1489	2298	2645	3133	3655	4155	4624	5062	5197
ナマンガン	2021	3865	5724	6756	7744	8982	10165	11288	12619	13783
サマルカンド	2533	4641	6763	7185	7733	9034	11268	13886	16672	18675
スルハングリヤ	1424	2411	3721	4496	5683	6881	8265	9664	11406	13150
シルダリヤ	755	1270	1847	2074	2447	2854	3223	3561	3884	4078
タシセント	1731	2992	4532	5008	5913	7066	8481	9973	11953	13578
フェルガノ	2351	4255	6665	7634	9272	10556	12117	13273	15537	17506
ホレズム	1626	2785	4067	4531	5308	5997	6719	7366	8262	8818
タシセント市	3381	5755	7319	7411	7500	7429	7397	7403	7523	7559
ウズベキスタン 共和国(計)	26405	46998	69390	77562	87784	98501	110389	124729	142828	158810

付表4 PCの専門科目担当教員必要数

年 地域	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
カラカルパクス タン自治共和国	953	1746	2680	3052	3337	3445	3475	3491	3519	3523
アンディジャン	883	1534	2271	2577	2832	3047	3236	3800	4486	5268
ブハラ	573	1108	1680	1875	1985	2168	2346	2600	2898	3109
ジザク	324	614	941	1061	1218	1423	1658	1895	2224	2515
カシカダリヤ	787	1345	2005	2234	2594	2953	3232	3971	4843	5885
ナボオイ	304	529	817	940	1114	1300	1477	1644	1800	1848
ナマンガン	719	1374	2035	2402	2753	3193	3614	4013	4486	4900
サマルカンド	900	1650	2404	2554	2749	3212	4006	4937	5927	6639
スルハングリヤ	506	857	1323	1598	2020	2446	2938	3436	4055	4675
シルダリヤ	268	451	657	737	870	1015	1146	1266	1381	1450
タシセント	615	1064	1611	1781	2102	2512	3015	3545	4249	4827
フェルガノ	836	1513	2370	2714	3296	3753	4307	4719	5524	6224
ホレズム	578	990	1446	1611	1887	2132	2389	2619	2937	3135
タシセント市	1202	2046	2586	2612	2637	2641	2649	2651	2674	2687
ウズベキスタン 共和国(計)	9448	16821	24826	27748	31394	35240	39488	44587	51003	56685

付表5 中等専門教育システムにおける教員の養成予測

年 地域	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	計
カラカルパクス タン自治共和国	695	945	1037	1075	785	443	286	228	212	183	5889
アンディジャン	669	806	890	1003	775	690	580	1115	1112	1344	8984
ブハラ	679	654	690	662	397	528	479	554	556	471	5670
ジザク	320	372	406	386	415	499	513	477	526	525	4439
カシカダリヤ	674	693	793	759	941	914	709	1368	1337	1696	9884
ナボオイ	316	286	360	378	428	432	403	350	284	146	3383
ナマンガン	618	829	785	1090	928	1091	1003	904	879	848	8975
サマルカンド	892	927	911	640	691	1217	1743	1812	1676	1399	11908
スルハンダリヤ	321	483	565	813	1002	994	1036	960	986	1080	8240
シルダリヤ	193	230	235	253	344	353	306	248	217	173	2552
タシケント	673	615	707	594	832	968	1066	1002	1088	1023	8568
フェルガノ	764	857	1006	1081	1491	1241	1358	1006	1370	1295	11469
ホレズム	532	511	533	555	711	632	594	519	556	440	5583
タシケント市	1294	1052	802	491	410	248	224	357	301	477	5656
ウズベキスタン 共和国(計)	8640	9260	9720	9780	10150	10250	10300	10900	11100	11100	101200

付表6 中等専門教育システムにおける教員再養成予測

年 地域	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	計
カラカルパクス タン自治共和国	532	1249	1615	146	264	166	129	139	187	146	4573
アンディジャン	512	1095	1370	128	250	258	287	816	1208	1295	7220 (7219)
ブハラ	519	891	1059	84	125	208	247	399	568	420	4520
ジザク	244	487	605	50	141	206	286	355	582	504	3462 (3460)
カシカダリヤ	516	935	1226	99	320	373	380	1033	1491	1674	8046 (8047)
ナボオイ	242	380	531	51	151	187	223	261	310	144	2479 (2480)
ナマンガン	473	1088	1227	146	318	446	533	627	896	774	6528
サマルカンド	683	1253	1406	76	204	465	919	1298	1708	1255	9267
スルハンダリヤ	245	595	859	109	353	415	583	723	1090	1046	6019 (6018)
シルダリヤ	146	311	383	35	116	16	167	191	231	156	1879 (1752)
タシケント	513	758	1014	73	282	404	597	767	1217	995	6618 (6620)
フェルガノ	585	1140	1577	143	498	474	688	669	1429	1216	8420 (8419)
ホレズム	408	697	849	72	244	257	331	373	599	403	4233
タシケント市	984	1421	1080	38	83	46	70	100	184	134	4136 (4140)
ウズベキスタン 共和国(計)	6600 (6602)	12300	14800 (14801)	1250	3350 (3349)	4050 (3921)	5440	7750 (7751)	11700	10160 (10162)	77400 (77276)

(注) 表中の数値と合計が合わないため、当方計算による結果をカッコ内に示した。

付表 7 中等専門教育システムにおける教員のグレードアップ予測

地域 \ 年	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
カラカルパクス タン自治共和国	863	1568	2405	2741	3008	3123	3168	3196	3235	3248
アンディジャン	870	1482	2191	2504	2773	3005	3206	3756	4410	5127
ブハラ	571	1073	1624	1824	1945	2132	2312	2562	2860	3074
ジザク	327	603	923	1041	1196	1395	1620	1850	2164	2445
カシカダリヤ	762	1287	1922	2150	2507	2861	3139	3846	4677	5639
ナボオイ	301	514	796	916	1081	1255	1427	1588	1739	1784
ナマンガン	693	1318	1950	2306	2651	3084	3504	3911	4386	4797
サマルカンド	876	1582	2308	2474	2704	3183	3977	4897	5886	6557
スルハンダリヤ	489	828	1280	1550	1955	2367	2836	3311	3904	4455
シルダリヤ	294	465	658	734	867	1006	1134	1247	1360	1429
タシケント	608	1049	1591	1765	2085	2480	2958	3461	4133	4679
フェルガノ	812	1453	2272	2612	3197	3674	4248	4680	5474	6160
ホレズム	558	944	1376	1544	1816	2059	2307	2535	2845	3041
タシケント市	1346	2133	2705	2790	2886	2923	2984	3081	3066	3185
ウズベキスタン 共和国(計)	9370	16300 (16299)	24000 (24001)	26950 (26951)	30669 (30671)	34550 (34547)	38819 (38820)	43920 (43921)	50140 (50139)	55620

(注) 表中の数値と合計が合わないため、当方計算による結果をカッコ内に示した。

Resolution of the Cabinet of Ministers of the Republic of Uzbekistan No.400 October 4, 2001
 Table 8 Balance of Supply and Demand of Teachers at Academic Lyceums and Professional Colleges in 2001 -2010

Region	Academic Lyceum		Additionally Necessary Teachers	Total	Professional College			
	Additionally Necessary Teachers	Newly Trained Teachers at Higher Ed. Institutions			Additionally Necessary Teachers	Sources		
						Newly Trained Teachers at 3 Leading Universities	Newly Trained Teachers at Special Faculty at Higher Ed. Institutions	Retrained Teachers at Other Higher Ed. Institutions
R. of Karakalpakstan	440	440	10022	10022	3056	2393	4573	
Andizhan	615	615	15589	15589	4531	3838	7220	
Bukhara	419	419	9771	9771	2887	2364	4520	
Djizhak	219	219	7682	7682	2290	1930	3462	
Kashkadarya	406	406	17524	17524	5096	4382	8046	
Navoi	127	127	5735	5735	1789	1467	2479	
Namangan	600	600	14903	14903	4574	3801	6528	
Samarqand	1103	1103	20072	20072	5827	4978	9267	
Syrdarya	348	348	13911	13911	4256	3636	6019	
Surkhadarya	113	113	4318	4318	1335	1104	1879	
Tashkent	439	439	14747	14747	4397	3732	6618	
Fergana	946	946	18943	18943	5720	4803	8420	
Korezm	288	288	9528	9528	2903	2392	4233	
C. of Tashkent	1537	1537	8255	8255	2339	1780	4136	
Total	7600	7600	171000	171000	51000	42600	77400	