



Masaryk University in Brno

ANNUAL REPORT
2003

Czech Republic,
January 2004

CONTENT

INTRODUCTION.....	4
ORGANISATIONAL CHART 2003	6
RECTOR'S OFFICE.....	7
BOARD OF DIRECTORS	8
SCIENTIFIC COUNCIL	9
ACADEMIC SENATE.....	11
RESEARCH AND DEVELOPMENT	12
EDUCATIONAL ACTIVITIES	30
STUDENT SERVICES AND PUBLISHING ACTIVITIES.....	41
MANAGEMENT AND INTERNAL ADMINISTRATION.....	52
PROGRAMME 233 330	62
DEVELOPMENT OF MASARYK UNIVERSITY	62
ACADEMIC SENATE.....	63
OFFICE FOR INTERNATIONAL STUDIES	64
MU ARCHIVE.....	67
CENTRE FOR FURTHER EDUCATION.....	68
DEPARTMENT OF FOREIGN LANGUAGES	69
INTERNATIONAL INSTITUTE FOR POLITICAL STUDIES.....	70
CENTRE FOR REGIONAL DEVELOPMENT	71
INSTITUTE OF COMPUTER TECHNOLOGY	72
MASARYK UNIVERSITY INFORMATION SYSTEM.....	76
PROVIDING INFORMATION ACCORDING TO FREE ACCESS TO INFORMATION ACT 106/1999 SB.....	79

INTRODUCTION

In its Annual Report, Masaryk University is presenting to the public the basic quantitative and qualitative data on its activities in 2003 set in the context of data from the past years. Information in the Annual Report document the extent to which the university succeeds in fulfilling its mission in the area of higher education.

Masaryk University is an institution with a strong orientation to research and development, which is particularly true about areas of study covered by the Faculty of Science and the Faculty of Informatics in natural sciences, mathematics and the information science, by the School of Social Studies and the Faculty of Arts in social sciences, and by the faculty of Medicine in theoretical as well as clinical medical research. Quantitative parameters of R&D at the above faculties are characterized by a high ratio between grant funding received and the faculty staff, and a dynamic development of doctoral degree studies. Also important is the fact that, contrary to some general concerns regarding the building of new faculties, the faculties established after 1990, with the Faculty of Economics and Administration being the first of them, rank among the best performing institutes at the university. In the overall reckoning, they are a significant asset for the university as a whole, rather than immature institutions that the rest of the university must pay for. We are also glad to say that Masaryk University, contrary to some other school of higher education in this country, has no problem with its predominant orientation to social sciences. In the context of Masaryk University, this is viewed as an evident advantage rather than a weak point.

The principal strength of public mission of the university lies in the combination of research activities and quality programmes of study. It is the environment where various positive R&D spin-offs can best be implemented, which are then reflected in both general and special competencies acquired by students at all levels at the university. Structured degree programmes being introduced at the majority of faculties allow for a combination of large numbers of students in bachelor's degree programmes and a predominantly R&D focus of the follow-up master's - and especially doctoral - degree programmes. In the context of teacher training institutes, the successful accreditation of the two-tier system of study in several programmes of teachers' education at the Faculty of Education and the Faculty of Sport Studies is an exceptional achievement. The concept that higher education of quality cannot be limited to a strongly specialized training leading to one possible profession only, but should also contain opportunities for acquiring knowledge exceeding the boundaries of specific disciplines, is reflected in university-wide study and examination rules. These create an academic environment in which students are free to look outside their "home faculties". At the same time, however, they do not restrict the academic right of faculties and institutions implementing individual programmes of study or subjects to choose the content and the method of presentation to best suit the specific needs of specific disciplines.

Responding to large numbers of applications for study in recent years, Masaryk University has systematically increased the numbers of students enrolled.. In 2003, interest in the study at Masaryk University attracted substantially more applicants to its entry examinations than to those of any of the remaining schools of higher education in the Czech Republic. It undoubtedly reflects the interest of the public in the quality standards of the academic life at MU, in the use of information technologies and its unique information and communication environment that enhances the permeability between faculties of the university, and it is also a recognition of the visibility of changes in the system of study that keeps MU abreast with the changes taking place in higher education abroad. MU has successfully finalized the concept of university-wide academic aptitude tests and has implemented them in practice as part of admission proceedings in a majority of its study programmes. Almost half of applications to study was submitted in the electronic format through the Internet, which will allow a complete elimination of classical printed applications.

Large numbers of applicants enrolled are not incompatible with demanding criteria for the selection of new students. A comparison of ratios of applicants enrolled to applicants sitting entrance examinations between

MU and other public schools of higher education (except art schools) shows that Masaryk University achieved the highest selection rate with only 35.06% of applicants enrolled, whereas the same ratio in other public schools of higher education was between 37.92 % and 92.61 %. The faculties with the highest disproportions between the number of applicants sitting entrance exams and the students admitted (or enrolled) in the first year of study are the faculty of Law and the School of Social Studies with the selection rates at the 15% level. The high selectivity of the admission proceeding allows the university to handpick only the best applicants for study. That is also corroborated by a high employability of graduates, whose unemployment rate of only 1.6% (according to surveys among graduates) testifies to the high relevance of MU study programmes for the labour market, as well as to the high quality of students and study programmes at Masaryk University. The data are evidence of excellent results of Masaryk University in the enhancement of higher education, and the development of human resources and instruction that gives the graduates a good start on the labour market.

The MU student population has a pronounced nation-wide character rather than drawing on the nearest vicinity or even a broader region of the school only. The principal debt the university has towards its students lies in a substantial lack of state support for student accommodation, which means that an average MU student receives only half of the funding for subsidized accommodation compared with an average at other public schools of higher education. The main reason of it are the shilly-shallying tactics of the Ministry of Education in implementing a reformed student accommodation subsidies system because of huge vested interests particularly where the present uneconomical and clearly unbalanced and unjust system produces a marginally better situation, usually for historical reasons rather than the interest in the study at the specific school of higher education or its current performance.

Most of MU faculties have used some form of anonymous surveys in the past to find out what their students think of the quality of instruction and teachers; the results are not imperative, rather they serve both the teachers and administrators for the monitoring of the level of satisfaction with classes, and as a local early warning system. In 2003, the first university-wide anonymous survey was held which, through the university information system, is regularly applied after each semester for all students, subjects and teachers to provide feedback information in a manner which is coherent from the inter-faculty comparison point of view.

In 2003, the implementation of Programme 233 330: Development of Masaryk University, got into full swing. Public tenders were organized to select the key corporations for the project implementation, the project manager, general designer and legal consultants. Reconstruction work has started in three buildings, the structure of the third reconstruction stage in the Morphological Centre complex at the newly built University Campus in Bohunice has been completed and prepared for handing over to the Faculty of Medicine, and a public tender for the civil engineering contractor to build integrated laboratories of biomedical technologies (ILBIT) is underway.

The Rector's office has started preparatory work for the reorganisation of the central university administration system to enhance its professional standards and performance. The transformation of the current structure of organizing activities around individual officials into a structure relying on qualified staff responsible for individual processes administered by the Rector's office, is focused on improving the operation of the university as a whole. In combination with the overall financial performance of MU, where, as in the previous year, markedly positive results were achieved, very solid foundations for the economic viability of Masaryk University as the second biggest employer in Brno and a school of higher education of truly European stature were laid. In 2003, MU entered the evaluation programme of university management systems performed by the European Universities Association. Results of their evaluation will be announced after the visits of the evaluation team in 2004, and recommendations of the EUA evaluation mission may become the starting point of the future development and improvements in the academic and administrative management of the university, its faculties and its other institutions.

Jiří Zlatuška
Rector

ORGANISATIONAL CHART 2003

Rector's Office

MU Faculties

Faculty of Law

Faculty of Medicine

Faculty of Science

Faculty of Arts

Faculty of Education

Faculty of Economics and
Administration

Faculty of Informatics

School of Social Studies

Faculty of Sports Studies

University Institutes

International Institute for
Political Studies

Institute of Computer
Science

Other Establishments

MU Archives

Centre for Foreign
Languages

Centre for Further
Education

Centre of International
Studies

Centre
for Regional Development

University-wide Services

Halls of Residence and
Cafeteria Administration

University Press

RECTOR'S OFFICE

Address

Žerotínovo nám. 9, 601 77 Brno

Phone: +420 549 49 1111

info@rect.muni.cz

<http://www.muni.cz>



Prof. Dr. Jiří Zlatuška

Rector

Prof. Dr. Eduard Schmidt

Vice-Rector for Research and Development

Prof. Zuzana Brázdová, M.D.

Vice-Rector for Education

Assoc. Prof. JUDr. Zdeňka Gregorová

Vice-Rector for Students' Affairs and Publishing Activities

František Gale

Bursar (until 30 April 2003)

Ladislav Janíček

Bursar (from 1 July 2003)

Prof. Jindřich Vomela, M.D.

Chairman of Academic Senate

BOARD OF DIRECTORS

- Dr. Petr Duchoň, Mayor, Statutory City of Brno
- Ondřej Felix, Chairman of Board of Directors, Český Telecom
- Dr. Ivan Gabal, Ph.D., Gabal Analysis and Consulting until 14 Febr. 2003
- Václav Hanke, director, Research and Development Programmes Dep't.
Ministry of Education, Youth and Sports of the CR
- František Hronek, Office of Czech Government, Government Council for R&D
- Stanislav Juránek, Governor of South Moravian Region
- ThDr. Lukáš Evžen Martinec, Abbot
Old Brno Abbey, Order of St. Augustine
- Assoc. Prof. Dr. Jaroslava Moserová, Senator, Senate of the Parliament of the
CR
- Dr. Otakar Motejl, ombudsman
- Jaroslav Mráz, consultant, ICZ, a.s. Prague
- Prof. Dr. Peter Mráz, Vice-Rector, Comenius University, Bratislava
- Dr. Luděk Niedermayer, Vice-Governor, Czech National Bank, Praha
- Dr. Martin Profant, head of Analytical Department, until
Ministry of Education, Youth and Sports of the CR 20 March 2003
- Prof. Jan Sokol, Ph.D., Dean, Faculty of the Humanities,
Charles University in Prague
- Assoc. Prof. Jiří Volf, Deputy Minister, Ministry of Finance, Czech Republic until 14 Febr. 2003
- JUDr. Eliška Wagnerová, Ph.D., Vice-Chairman, Constitutional Court, CR
- Bohuš Zoubek, M.A., Director, State Philharmonic Brno since
20 March 2003

SCIENTIFIC COUNCIL

Internal Members:

- Prof. JUDr. Josef Bejček Faculty of Law
- Prof. Ladislav Blažek, Faculty of Economics and Administration
- Prof. Zuzana Brázdová, M.D. Faculty of Medicine
- Prof. Dr. Rostislav Brzobohatý Faculty of Science
- Prof. Dr. Petr Fiala, Ph.D. School of Social Studies
- Prof. Bohumil Fišer, M. D. Faculty of Medicine
- Assoc. Prof. Dr. Milan Gelnar, Faculty of Science
- Assoc. Prof. JUDr. Zdeňka Gregorová Faculty of Law
- Prof. Dr. Jozef Gruska Faculty of Informatics
- Prof. Dr. Josef Humlíček Faculty of Science
- Assoc. Prof. Michal Charvát, Ph.D. Faculty of Sports Studies
- Prof. Dr. Jiří Kroupa, Ph.D. Faculty of Arts
- Prof. Dr. Hana Librová School of Social Studies
- Prof. Jindřich Vomela, M.D. Faculty of Medicine
- Assoc. Prof. Dr. Luděk Matyska Faculty of Informatics
- Prof. Dr. Ivo Možný, Ph.D. School of Social Studies
- Assoc. Prof. Dr. Vladislav Mužík Faculty of Education
- Prof. Pavel Ondrčka Faculty of Economics and Administration
- Jan Pavlík, Ph.D. Faculty of Arts
- Prof. Ivan Rektor M.D. Faculty of Medicine
- Prof. Dr. Jiří Rosický Faculty of Science
- Prof. Dr. Eduard Schmidt Faculty of Science
- Prof. Jarmila Siegelová, M.D. Faculty of Medicine
- Prof. Dr. Vladimír Sklenář Faculty of Science
- Assoc. Prof. Antonín Slaný Faculty of Economics and Administration
- Prof. Dr. Jan Slovák Faculty of Science
- Assoc. Prof. JUDr. Jan Svatoň Faculty of Law
- Prof. Dr. Rudolf Šrámek Faculty of Education
- Prof. Jiří Vácha, M.D. Faculty of Medicine
- Prof. Jiří Vorlíček, M.D. Faculty of Medicine
- Prof. Dr. Jiří Zlatuška Faculty of Informatics
- Prof. Jan Žaloudík, M.D. Faculty of Medicine

External Members:

- Prof. Michal Anděl, M.D. Charles University in Prague
- Ondřej Hausenblas, Ph.D. Charles University in Prague
- Assoc. Prof. Ivan M. Havel, Ph.D. Charles University in Prague
- Prof. JUDr. Pavel Holländer Constitutional Court, CR
- Dr. Jana Horváthová Museum of Roma Culture
- Prof. Dr. Václav Hořejší Academy of Sciences, CR
- Assoc. Prof. Dr. Helena Illnerová Academy of Sciences, CR
- Petr Jakeš Charles University in Prague
- Assoc. Prof. Dr. Petr Kolář Charles University in Prague
- Dr. Stanislav Kozubek Academy of Sciences, CR
- Prof. Dr. Miroslav Liška Brno University of Technology
- Prof. Dr. Jana Mačáková, M.D. University of Palacký in Olomouc
- Prof. Oldřich Pytela Pardubice University in Pardubice
- Prof. Dr. Jaroslav Smítal Silesian University in Opava
- Prof. Jan Sokol, Ph.D. Charles University in Prague
- Prof. Dr. Vladimír Souček Charles University in Prague
- Prof. Juraj Stern, Dr.h.c. University of Economics in Bratislava
- Prof. Dr. Václav Suchý University of Veterinary and Pharmaceutical Sciences in Brno
- Prof. František Turnovec Charles University in Prague
- Prof. Jiří Witzany Czech Technical University in Prague

ACADEMIC SENATE

Prof. Jindřich Vomela, M.D., Chairman

Dr. Miroslav Kolář, Vice-Chairman

Bc. Jiří Nantl, since 2004-10-06 Karel Punčocha, Vice-Chairman

STAFF CHAMBER

FACULTY OF LAW

- JUDr. Filip Křepelka, Ph.D.
- Josef Kotásek, M.A., Ph.D.
- Assoc. Prof. JUDr. Michaela Židlická

FACULTY OF MEDICINE

- Prof. Ivo Šlapák, M.D.
- Assoc. Prof. Jiří Vokurka, M.D. until 2 March 2003
- Assoc. Prof. Anna Vašků, M.D. until 3 March 2003
- Prof. Jindřich Vomela, M.D.

FACULTY OF SCIENCE

- Assoc. Prof. Dr. Zuzana Došlá
- Assoc. Prof. Dr. Jan Celý
- Dr. Miroslav Kolář

FACULTY OF ARTS

- Dr. Jarmila Bednaříková
- Assoc. Prof. Dr. Michaela Horáková
- Jeffrey A. Vanderziel

FACULTY OF EDUCATION

- Assoc. Prof. Dr. Svatopluk Novák
- Dr. Blanka Knopová
- Assoc. Prof. Dr. Vladislav Navrátil

FACULTY OF ECONOMICS AND ADMINISTRATION

- Prof. Ladislav Blažek
- Dr. František Čámský
- Dr. Dalibor Moravanský

FACULTY OF INFORMATICS

- Assoc. Prof. Dr. Mojmír Křetinský
- Assoc. Prof. Dr. Karel Pala
- Dr. Tomáš Pitner

SCHOOL OF SOCIAL STUDIES

- Assoc. Prof. Dr. Lubomír Kostron
- Dr. Jan Holzer, Ph.D.
- Jan Mareš

FACULTY OF SPORTS STUDIES

- Assoc. Prof. Dr. Josef Pavlík
- Dr. Aleš Sekot
- Dr. Věra Večeřová

STUDENT CHAMBER

FACULTY OF LAW

- Martin Strnad
- Martin Kašpar

FACULTY OF MEDICINE

- Jitka Krčová, until 1 June 2003
- Lucie Kavalcová, from 2 June 2003
- Karel Zitterbart, until 1 June 2003
- Luba Gabrielová, from 2 June 2003

FACULTY OF SCIENCE

- Erik Caha
- Jan Mysliveček

FACULTY OF ARTS

- Kateřina Haklová
- Jindřich Kačer

FACULTY OF EDUCATION

- Petr Poláček
- Karel Pančocha

FACULTY OF ECONOMICS AND ADMINISTRATION

- Marcela Brabcová, until 1 June 2003
- Eduard Bakoš, from 2 June 2003
- Juraj Žiak

FACULTY OF INFORMATICS

- Petr Lidman, until 5 October 2003
- Lukáš Maňásek, M.A., from 6 October 2003
- Silvie Křivánková, M.A.

SCHOOL OF SOCIAL STUDIES

- Roman Chytilek
- Jiří Nantl

FACULTY OF SPORTS STUDIES

- Martin Ján, until 5 October 2003
- Zdeněk Přikryl, from 6 October 2003
- Barbora Zuchová

RESEARCH AND DEVELOPMENT

SCIENTIFIC COUNCIL

In 2003, the Scientific Council met four times. Members of the Council were regularly informed about the activities of Masaryk University, discussed motions for the conferring of full professorships, honorary academic degrees, and Gold and

Silver Medals of MU. Of the 25 motions for the conferring of full professorship discussed by the Scientific Council, 24 were recommended.

- Assoc. Prof. Jozef Bátora, Ph.D., Archaeological Institute, Slovak Academy of Sciences, Nitra, ancient archaeology
- Assoc. Prof. Dr. Václav Blažek, comparative Indo-European linguistics
- Assoc. Prof. Petr Brhel, M.D. internal medicine
- Assoc. Prof. Pavel Brychta, M.D., microbiology
- Assoc. Prof. Dr. Mirko Černák, physics of plasma
- Assoc. Prof. Dr. Jiří Doškař, molecular biology and genetics
- Assoc. Prof. JUDr. Dalibor Jílek, international public law
- Assoc. Prof. Dr. Jiří Kalvoda, geological sciences
- Assoc. Prof. Dr. Viktor Kanický, analytical chemistry
- Assoc. Prof. Dr. Josef Kolmaš, Ph.D., Oriental Institute of the Czech Academy of Sciences, anthropology
- Assoc. Prof. Dr. Josef Komárek, analytical chemistry
- Assoc. Prof. Dr. Petr Macek, social psychology
- Assoc. Prof. Dr. Miroslav Novák, Faculty of Social Sciences, Charles University Praha, political science
- Assoc. Prof. Dalibor Pacík, M.D., surgery
- Assoc. Prof. Jana Pařízková, M.D., Endocrinological Institute Praha, public health, preventive medicine and epidemiology
- Assoc. Prof. Martin Petřek, M.D., Medical Faculty Palacký University Olomouc, medical immunology
- Assoc. Prof. Dr. Jana Pleskalová, Ph.D. Czech language
- Assoc. Prof. Dr. Maxmilián Strmiska, Ph.D., political science
- Assoc. Prof. Dr. Rikard von Unge, theoretical physics and astrophysics
- Assoc. Prof. Vlastimil Válek, M.D., radiology
- Assoc. Prof. Anna Vašků, M.D., pathological physiology
- Assoc. Prof. Miroslav Votava, M.D., medical microbiology
- Assoc. Prof. Dr. Michal Zeman, Faculty of Sciences, Comenius University Bratislava, physiology of animals
- Assoc. Prof. Dr. Jan Zima, Institute of Biology of Vertebrates, AS CR, zoology

ASSOCIATE PROFESSORSHIP AND FULL PROFESSORSHIP APPOINTMENTS

Tab. 1a – Full professorship appointments in 2003

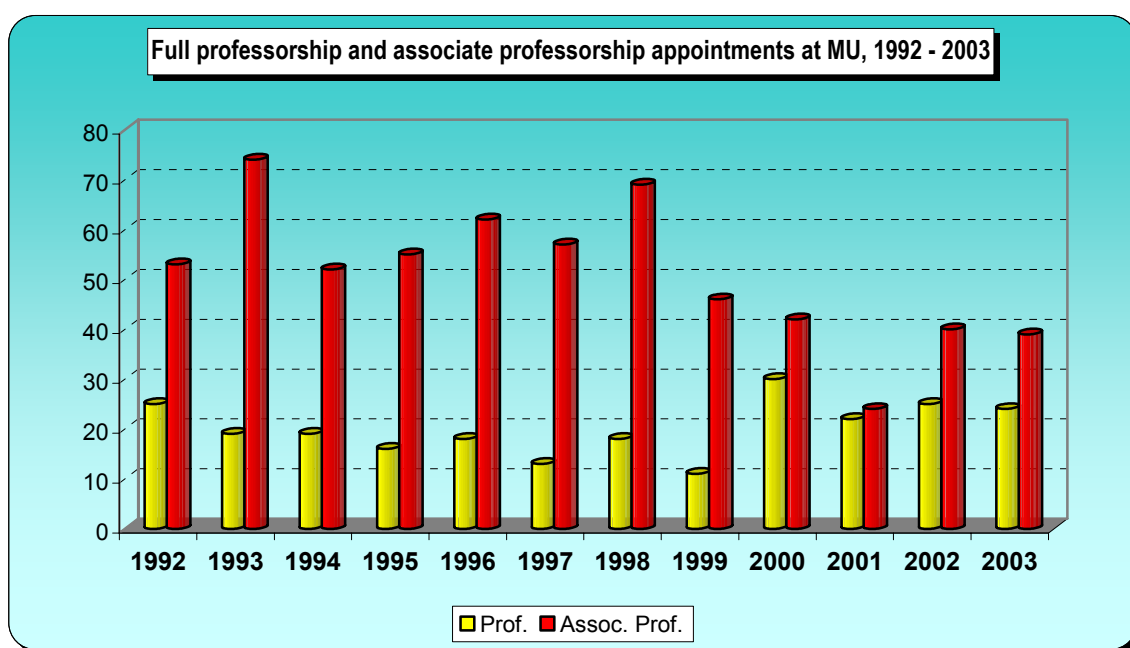
faculty	total	of which MU	mean age	age range	discontinued
FoM	8	7	50.6	40 – 72	0
FoA	3	2	52.0	49 – 54	0
FoL	1	1	50.0	50	0
SoSS	3	2	46.3	42 – 50	0
FoS	9	6	51.7	36 – 70	0
FoI	0	0	–	–	0
FoE	1	0	53.0	53	1
FoSpS	0	0	–	–	0
FoEA	0	0	–	–	0
MU	25	18	51.1	36 – 72	1

Tab. 1b – Associate professorship appointments in 2003

faculty	total	of which MU	mean age	age range
FoM	12	9	45.5	32 – 55
FoA	5	2	50.2	45 – 57
FoL	2	2	46.5	45 – 48
SoSS	0	0	–	–
FoS	14	11	39.9	32 – 50
FoI	1	1	40.0	40
FoE	3	1	60.3	54 – 67
FoSps	0	0	–	–
FoEA	2	0	53.0	52 – 54
MU	39	26	47.9	32 – 67

Tab. 1c – Associate professorship and full professorship appointments between 1992 and 2003

	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
full prof.	25	19	19	16	18	13	18	11	30	22	25	24
assoc. prof.	53	74	52	55	62	57	69	46	42	24	40	39



Tab. 1d – Average consolidated numbers of teachers between 1 Jan. 2003 and 31 Dec. 2003

Faculty	Full Prof.	Assoc. Prof.	Senior Assistant	Assistant	Instructors	Foreign lecturers	Research workers	Total
FoM	53.34	61.34	103.12	44.92	1.50	0.00	1.23	265.45
FoA	23.24	34.52	56.68	39.24	6.14	9.17	3.83	172.82
FoL	5.89	25.83	29.21	9.68	0.33	0.00	0.00	70.94
SoSS	7.25	7.75	18.07	20.37	1.28	0.00	0.50	55.22
FoS	37.84	75.96	82.17	2.70	6.15	0.00	16.88	221.70
FoI	6.35	10.55	14.37	3.76	2.42	0.00	8.29	45.74
FoE	8.27	47.10	54.52	59.04	11.82	1.52	0.00	182.27
FoSpS	1.86	6.50	11.90	9.02	24.44	0.00	0.00	53.72
FoEA	7.05	15.51	21.52	26.38	1.33	0.00	1.69	73.48
other MU institutes	0.07	2.03	5.84	22.15	19.47	1.05	0.00	50.61
MU	151.16	287.09	397.40	237.26	74.88	11.74	32.42	1 191.95

Tab. 1e – Internal and external staff (actual and consolidated figures)

Staff		Academic staff			Assistants	Instructors	Research staff
		full professors	assoc. professors	senior assist.s			
internal	actual numbers	204	322	610	347	102	40
	consolidated numbers	151.16	287.09	397.40	237.26	86.62	32.42
external	actual numbers	174	233	344	744	1 866	334
	consolidated numbers	0.09	0.12	0.17	0.37	0.93	0.17

Tab. 1f – Average age of full professors

Faculty	1995	1996	1997	1998	1999	2000	2001	2002	2003
FoM	62	62	62	91	60	59	59	59	58
FoA	64	64	65	65	64	65	64	63	64
FoL	60	61	61	60	54	56	56	57	55
SoSS	-	-	-	61	62	63	64	57	56
FoS	61	61	61	60	69	58	57	58	59
FoI	60	61	62	63	63	63	64	65	64
FoE	65	64	64	65	65	65	63	62	64
FoSpS	-	-	-	-	-	-	-	71	73
FoEA	65	64	65	66	66	66	67	68	68
RO	0	0	0	0	0	0	0	0	0
MU	62	63	63	62	61	61	60	61	62

Tab. 1g – Average age of associate professors

Faculty	1995	1996	1997	1998	1999	2000	2001	2002	2003
FoM	54	55	54	53	53	53	53	53	53
FoA	54	54	52	53	52	51	50	50	52
FoL	47	47	48	48	49	50	50	50	51
SoSS	-	-	-	46	46	48	48	48	53
FoS	51	52	53	53	53	52	52	52	53
FoI	49	50	50	49	49	49	50	50	53
FoE	55	55	55	56	56	57	55	55	56
FoSpS	-	-	-	-	-	-	-	-	57
FoEA	54	55	54	55	56	57	56	56	57
RO	50	51	52	53	54	55	56	56	58
MU	53	53	53	53	53	53	52	52	54

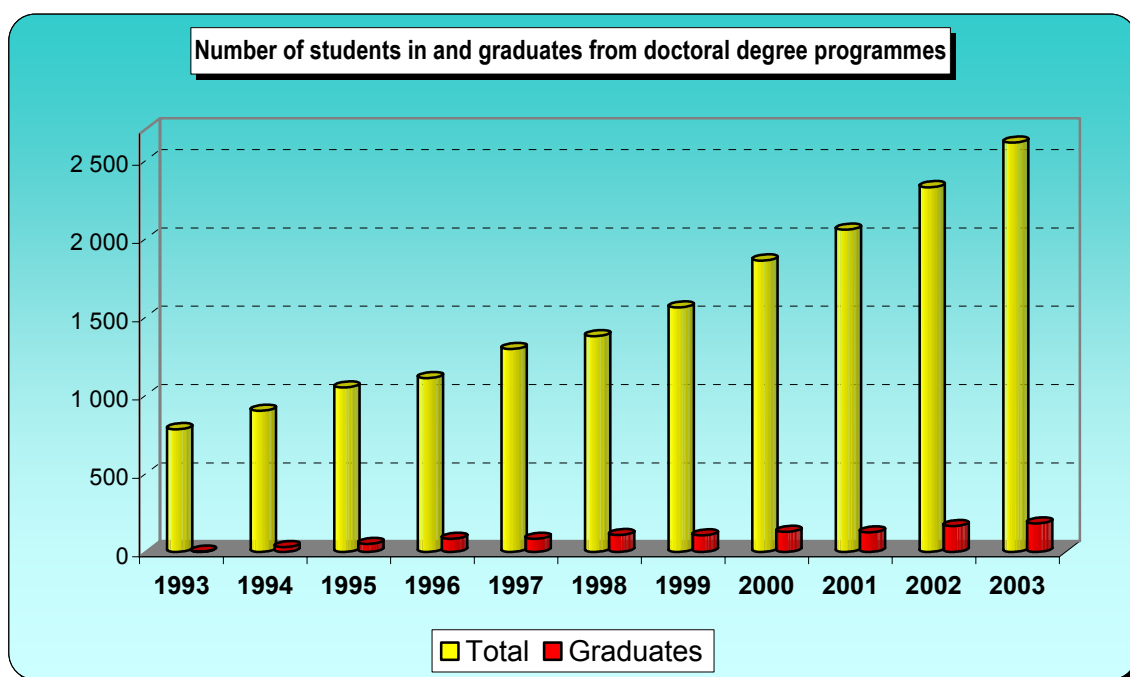
Tab. 1h – Average age of senior assistants

Faculty	1995	1996	1997	1998	1999	2000	2001	2002	2003
FoM	42	43	43	43	42	41	44	43	46
FoA	42	41	41	41	40	41	40	39	39
FoL	36	36	37	37	37	39	40	41	41
SoSS	–	–	–	38	36	35	36	36	36
FoS	42	43	43	42	40	41	40	40	40
FoI	37	37	38	39	38	39	39	40	38
FoE	43	43	43	44	44	44	48	47	47
FoSpS	–	–	–	–	–	–	–	47	47
FoEA	44	42	43	42	44	39	42	39	38
RO	43	44	45	45	41	49	49	46	51
MU	42	42	42	42	41	41	42	43	42

DOCTORAL DEGREE PROGRAMMES

Tab. 2a – Numbers of students in and graduates from doctoral degree programmes between 1993 and 2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
total	754	802	1 050	1 110	1 296	1 378	1 561	1 861	2 058	2 329	2 614
graduates	2	31	51	84	84	108	106	128	125	165	182
% full time	19	18	18	26	31	36	35	37	39	41	44



RESEARCH AND DEVELOPMENT

Research and development programmes

Tab. 3a – Object-oriented R&D projects of the Ministry of Education undertaken in 2003

Faculty	LN	LA	LI	1K	ME	OC	Total
FoM	0	0	1	1	0	1	3
FoA	0	0	2	0	0	0	2
FoL	0	0	0	0	0	0	0
SoSS	1	0	0	0	1	0	2
FoS	1	2	0	0	7	3	13
FoI	0	1	1	0	0	0	2
FoE	0	0	1	0	0	0	1
FoSpS	0	0	0	0	0	0	0
FoEA	0	0	0	0	0	0	0
ICS	0	0	0	0	0	0	0
RO	0	0	0	0	0	0	0
MU	2	3	5	1	8	4	23

Tab. 3b – Funding (IV + NIV) for object-oriented R&D projects of the Ministry of Education in thousands of CZK

Faculty	LN	LA	LI	1K	ME	OC	Total
FoM	0	0	8 785	47	0	1200	10 032
FoA	0	0	3 505	0	0	0	3 505
FoL	0	0	0	0	0	0	0
SoSS	11 206	0	0	0	107	0	11 313
FoS	10 725	5 795	0	0	1 271	840	18 631
FoI	0	512	806	0	0	0	1 318
FoE	0	0	762	0	0	0	762
FoSpS	0	0	0	0	0	0	0
FoEA	0	0	0	0	0	0	0
ICS	0	0	0	0	0	0	0
RO	0	0	0	0	0	0	0
MU	21 931	6 307	13 858	47	13 78	2 040	45 561

Legend to Tables:

LN – Research Centres

LA – INGO

LI – Information sources for R&D

1K – Support for young research workers

ME – Kontakt

OC – COST

FoM – Faculty of Medicine

FoA – Faculty of Arts

FoL – Faculty of Law

SoSS – School of Social Studies

FoS – Faculty of Science

FoI – Faculty of Informatics

FoE – Faculty of Education

FoSpS – Faculty of Sport Studies

FoEA – Faculty of Economics and Administration

ICS – Institute of Computer Science

RO – Rector's Office

MU – Masaryk University

Tab. 4a – Other R&D projects undertaken in 2003

Faculty	GA CR	IGA	GA AS	MGA	Foreign	Total
FoM	16	24	2	33	6	81
FoA	45	0	6	1	0	52
FoL	6	0	1	0	0	7
SoSS	13	0	0	1	2	16
FoS	63	0	6	4	11	84
FoI	7	0	4	1	4	16
FoE	6	0	0	0	1	7
FoSpS	1	0	0	0	0	1
FoEA	7	0	1	1	0	9
ICS	0	0	0	0	3	3
RO	0	0	0	0	0	0
MU	164	24	20	0	27	276

Tab. 4b – Funding (IV + NIV) for other R&D projects undertaken 2003 in thousands of CZK

Faculty	GA CR	IGA	GA AS	MGA	Foreign	Total
FoM	5 086	13 859	305	534	1 169	20 953
FoA	10 829	0	1 628	1253	0	13 710
FoL	703	0	132	0	0	835
SoSS	3 789	0	0	3 430	898	8 117
FoS	28 130	0	1 219	3 273	6 650	39 272
FoI	2 734	0	515	1 999	2 021	7 269
FoE	1 834	0	0	0	36	1 870
FoSpS	274	0	0	0	0	274
FoEA	1 758	0	254	3 260	0	5 272
ICS	121	0	0	0	4 866	4 987
RO	0	0	0	0	0	0
MU	55 258	13 859	4 053	13 749	15 640	102 559

Legend to Tables:

GA CR – Grant Agency of the Czech Republic

IGA – Internal Grant Agency of the Ministry of Health

GA AV – Grant Agency of the Academy of Sciences of the Czech Republic

MGA – Ministerial Grant Agencies (Min. of Agriculture, Min. of the Environment, etc.)

Tab. 5 – Institutional resources of the Ministry of Education (IV + NIV) for R&D in 2003

Faculty	long-term projects	long-term projects in 000s CZK	specific research 000s CZK	LT+S (000s CZK)
FoM	5	31 706	19 854	51 560
FoA	2	5 000	8 399	13 399
FoL	0	0	453	453
SoSS	2	6 542	8 442	14 984
FoS	11	76 724	46 487	123 211
FoI	3	13 517	6 820	20 337
FoE	1	728	1 155	1 883
FoSpS	0	0	109	109
FoEA	1	1 756	1 981	3 737
ICS	1	2 697	0	2 697
RO	0	0	0	0
MU	26	138 670	93 700	232 370

Tab. 6a – Total numbers of R&D projects in 2003 (Tabs 3a, 4a, 5)

Faculty	Object-oriented	Other R&D projects	Long-term projects	Total
FoM	3	81	5	89
FoA	2	52	2	56
FoL	0	7	0	7
SoSS	2	16	2	20
FoS	12	84	11	107
FoI	2	16	3	21
FoE	1	7	1	9
FoSpS	0	1	0	1
FoEA	0	9	1	10
ICS	0	3	1	4
RO	0	0	0	0
MU	22	276	26	324

Tab. 6b – Total numbers of R&D projects in 2003 in thousands of CZK (Tabs 3b, 4b and 5)

Faculty	Object-oriented projects	Other projects	Long-term projects	Specific R&D	Total
FoM	10 032	20 953	31 706	19 854	82 545
FoA	3 505	13 710	5 000	8 399	30 614
FoL	0	835	0	453	1 288
SoSS	11 313	8 117	6 542	8 442	34 414
FoS	19 631	39 272	76 724	46 487	182 114
FoI	1 318	7 269	13 517	6 820	28 924
FoE	762	1 870	728	1 155	4515
FoSpS	0	274	0	109	383
FoEA	0	5 272	1 756	1 981	9 009
ICS	0	4 987	2 697	0	7 684
RO	0	0	0	0	0
MU	46 561	102 559	138 670	93 700	381 490

Tab. 7a – Projects and funding per teacher at individual faculties

Faculty	Teachers, total	Number of projects (Tabs 3a, 4a)	Number of projects per teacher	Funds in 000's CZK (Tabs 3b, 4b)	Funding (000's CZK) per teacher	Institutional funding (Tab. 5)	Institutional funds per teacher (000's CZK)	Total funding for R&D (Tab. 6b)	Total R&D funds per teacher (000's CZK)
FoM	265.45	84	0.32	30 985	116.73	51 560	194.24	82 545	310.96
FoA	172.82	54	0.31	17 215	99.61	13 399	77.53	30 614	177.14
FoL	70.94	7	0.10	835	11.77	453	6.39	1288	18.16
SoSS	55.22	18	0.33	19 430	351.87	14 984	271.35	34414	623.22
FoS	221.7	96	0.43	58 903	265.69	123 211	555.76	182 114	821.44
FoI	45.74	18	0.39	8 587	187.74	20 337	444.62	28 924	632.36
FoE	182.27	8	0.04	2 632	14.44	1 883	10.33	4515	24.77
FoSpS	53.72	1	0.02	274	5.10	109	2.03	383	7.13
FoEA	73.48	9	0.12	5 272	71.75	3 737	50.86	9 009	122.60
Research workers	50.61	3	0.06	4 987	98.54	2 697	53.29	7 684	151.83
MU	1 191.95	298	0.25	149 120	125.11	232 370	194.95	381 490	320.06

* ICS, CFE, DFL

PURPOSE-ORIENTED PROGRAMMES (exclusive of R&D)

Tab. 8a – Purpose-oriented programmes in 2003

Faculty	HEDF	Transform. + develop. programs	CEEPUS	AKTION	SOCRATES	Others	Total, in thousands of CZK
FoM	11	3	0	0	0	0	14
FoA	31	21	3	5	13	5	78
FoL	2	6	0	2	2	0	12
SoSS	8	6	0	0	3	0	17
FoS	57	6	1	0	9	0	73
FoI	2	1	0	0	0	0	3
FoE	21	99	1	3	4	1	129
FoSpS	1	3	1	0	0	0	5
FoEA	3	3	1	0	2	1	10
ICS	0	1	0	0	0	0	1
CFE	0	0	0	0	0	0	0
DFL	0	1	0	0	3	9	13
OIS	0	4	0	0	0	0	4
RO	2	1	0	0	0	0	3
MU	138	155	7	10	36	16	362

Tab. 8b – Funding (IV + NIV) for object-oriented programmes in 2003

Faculty	HEDF	Transform. +develop. programs	CEEPUS	AKTION	SOCRATES	Others	Total (000's CZK)
FoM	4 188	4 650	0	0	0	0	8 838
FoA	2 305	3 853	101	144	791	951	8 145
FoL	713	3 781	0	367	0	0	4 761
SoSS	681	3 369	0	0	0	182	4 232
FoS	6 105	8 475	55	0	0	3 176	17 811
FoI	101	961	0	0	0	0	1 062
FoE	1 795	20 200	42	142	316	394	22 889
FoSpS	108	510	58	0	0	0	676
FoEA	995	1 121	85	0	45	440	2 686
ICS	1 482	555	0	0	0	0	2 037
CFE	1 733	0	0	0	0	0	1 733
DFL	0	800	0	0	5 354	961	7 115
OIS	0	3 916	0	0	0	0	3 916
RO	0	3 470	0	0	0	0	3 470
MU	23 206	55 661	341	553	6 506	6 104	89 371

* HEDF – Higher Education Development Fund

PUBLISHING IN 2003

Faculty	Monographs		Original papers in proceedings		Original articles in journals		Other original texts		Textbooks, lecture notes	Popular texts	Patents
	CR	Abroad	CR	abroad	CR	abroad	CR	abroad			
FoM	119	4	577	193	645	298	96	23	90	138	1
FoA	46	15	205	78	169	38	306	57	28	147	0
FoL	21	1	64	26	168	16	30	3	21	34	0
SoSS	11	0	125	24	27	5	139	41	7	118	0
FoS	19	16	240	306	152	398	81	26	32	65	5
FoI	3	1	31	78	14	25	18	4	3	29	0
FoE	53	2	203	58	16	16	266	13	66	197	0
FoEA	1	1	21	70	46	11	43	4	55	152	0
FoSpS	11	1	53	11	14	2	8	1	8	7	0
MU	284	41	1 519	844	1 251	809	987	172	310	887	6

UNIVERSITY LIBRARIES, LIBRARY AND INFORMATION SERVICES

New additions to library holdings	40 343
Library holdings, total	1 518 887
Number of serials received:	2 275
– on paper	2 275
– electronically (estimate)	0
Business hours ¹	71
Off-site loans ²	387 259
Number of customers ³	37 033
Seating capacity	1 365
Volumes in open shelves	374 811

1) Weekly business hours of the library with the longest opening hours. Opening hours of individual facilities are not aggregated. Only personal visits by clients are given here, and electronic communications are included.

2) Inclusive of loan renewals.

3) A customer is defined as a visitor to the library who made use of its off-site services at least once in the given calendar year.

RECOGNITION BY THE ACADEMIC COMMUNITY IN 2003

Faculty	Membership in grant agency committees		Membership in committees of learned societies		Organisation of international conferences		Editors of proceedings		Editors of specialist journals		Invitations to lecture		Invitations to study stays		Chairing international conferences		Expert opinions		Prizes, honorary awards	
	CR	abroad	CR	abroad	CR	abroad	CR	abroad	CR	abroad	CR	abroad	CR	abroad	CR	abroad	CR	abroad	CR	abroad
FoM	31	1	180	45	52	18	26	1	117	28	502	143	3	23	94	81	379	24	27	11
FoA	22	3	95	20	15	5	60	6	54	11	154	127	5	35	4	6	64	18	6	3
FoL	6	1	11	2	10	2	9	2	13	5	35	19	0	8	2	0	82	3	1	1
SoSS	10	1	11	12	3	4	27	2	22	0	67	76	2	19	1	1	30	2	0	0
FoS	27	4	76	24	36	15	30	6	43	34	136	171	2	64	26	25	199	45	11	3
FoI	6	0	2	4	2	4	5	2	1	3	17	15	0	6	3	1	11	41	2	1
FoE	10	0	42	7	8	1	66	0	31	6	547	114	16	56	1	4	18	0	1	4
FoEA	2	0	5	0	8	1	6	0	9	2	44	24	0	2	1	0	16	1	1	0
FoSpS	6		1	5	2	7	1	4	0	5	0	64	9	0	3	3	0	0	0	1
RO	120	10	423	119	136	57	230	23	290	94	1502	753	37	213	135	121	799	134	49	24

PRIZES AND MEDALS

An honorary doctorate of Masaryk University was conferred on:

- Professor Francisco J. Ayala, University of California, Irvine, biology

Gold Medals of Masaryk University were awarded to:

- Dr. Hana Ayalová, President, PANGAEA WORLD Foundation
- Prof. Naranthan S. Dhalla, Director of International Academy of Cardiovascular Science
- Dr. Olga Erdelská, Botanical Institute
- Prof. Alois Hajda, Rector Emeritus, Janáček Academy of Performing Arts
- Prof. Dr. Zdeněk Kožmín, Ph.D., Faculty of Arts, MU
- Prof. Dr. Danuše Kšicová, Ph.D., Faculty of Arts, MU
- Prof. Dr. Ivo Možný, Ph.D., School of Social Studies, MU
- Alvar Gil-Robles, Commissioner for Human Rights, Council of Europe
- Craig R. Stapleton, the US ambassador to the CR
- Prof. Dr. Radoslav Večerka, Ph.D., Faculty of Arts, MU

Rector's Prize for Outstanding Creative Achievement:

- Prof. Dr. Antonín Bartoněk, Ph.D., Handbuch des mykenischen Griechisch, Heidelberg C. Winter, 2002
- Assoc. Prof. Dr. Radan Kučera, Assoc. Prof. Dr. Jaromír Šimša, two-volume textbook, Springer-Verlag 2000 a 2003
- Prof. Josef Bednařík, M.D., Diseases of skeletal muscles, Triton 2001
- Prof. Dr. Pavel Kurfürst, P.D., Musical instruments, Togga 2002

Rector's Prize to the Top Students from Doctoral Study Programmes:

- Mgr. Aleš Urválek, Faculty of Arts, MU
- Jaroslav Hampl, M.D., Faculty of Medicine, MU
- Marta Krejčí, M.D., Faculty of Medicine, MU
- Mgr. Petr Matula, Faculty of Informatics, MU
- Mgr. Tomáš Štaudek, Faculty of Informatics, MU
- Mgr. David Buriánek, Faculty of Science, MU
- Mgr. Michal Boháč, Faculty of Science, MU
- Mgr. Ondřej Klíma, Faculty of Science, MU
- Mgr. Jan Kmuniček, Faculty of Science, MU
- Dr. Michaela Vystrčilová, Faculty of Science, MU

Prizes and Honourable Mentions:

Faculty of Medicine:

- Irena Rektorová, M.D. – National Professor Vladimír Vondráček Prize for Psychiatry for 2003
- Prof. Petr Dítě, M.D., – Czech Internists Association Prize – Czech Gastroenterology Society Prize
- Prof. Boris Habanec, M.D., – Gold medal of J.E. Purkyně Society for long-term activity for Society of Pathologists
- Dr. L. Horáčková, Ph.D. – Aleš Hrdlička Medal
- Prof. Nataša Honzíková, M.D. – Laufberg Medal of the Czech Medical Society

Faculty of Arts:

- Prof. Dr. Antonín Bartoněk, Ph.D. – Medal of the Minister of Education, 1st Class, MoE Praha, 26.11.2003
- Prof. Petr Horák, Ph.D. – State order of the French Republic *Commandeur de l'Ordre des Palmes Académiques*
- Assoc. Prof. Dr. Miluše Juříčková, Ph.D. – Norwegian Knightly Order of Merit conferred by King Harald V (presented on 22 January 2003 by the Ambassador of the Kingdom of Norway)

Faculty of Science:

- Assoc. Prof. Dr. Vítězslav Otruba – Jan Marek Marci Medal conferred by Spectroscopy Association of Jan Marek Marci for a major contribution to the development of Czech spectrometry
- Dr. Rer. nat. Markéta Munzarová – Czech Learned Society Prize for 2003 in the category of young research workers
- Dr. Jiří Damborský, Ph.D. – Alfred Bader Prize for Bioorganic Chemistry for 2003
- Prof. Dr. Rostislav Brzobohatý – Josef Hlávka Prize for 2002 in sciences on inanimate nature

ORIENTATION OF RESEARCH AND DEVELOPMENT AT MASARYK UNIVERSITY

Faculty of Medicine:

It is tradition at the Faculty of Medicine MU that its research is undertaken not only in the sector of the ministry of education but also the ministry of health care, where its faculty take part in preclinical and clinical projects administered by hospitals.

As a grant contractor, the FoM in the education sector is thus largely restricted to theoretical and biomedical themes, or to socio-preventive and other non-clinical disciplines. Although that does not in any way reduce the quality or capacity of medical research in Brno, it nevertheless formally reduces the output and creative achievements of the FoM in comparison with other MU faculties, whose research activities are exclusively undertaken in sector of the ministry of education.

At the FoM MU, the principal approach to concentrating research capacities to tackle high-priority issues are long-term research projects oriented to neuroscience, molecular pathophysiology of civilisation diseases, oncological and cardio-vascular diseases. The introduction of modern teaching methods and trends in bioinformatics was made possible by development programmes of the Ministry of Education.

Several years ago, a qualitatively new initiative was launched aimed at concentrating the most advanced and promising programmes in biomedical research, setting up an environment of innovation and at supporting academic undertakings in biomedicine.

The strategy, developed in a close cooperation with the Faculty of Science and in harmony with the newly established regional innovation centre and plans of Brno University of Technology, led to the establishment of the INBIT (Incubators of Biomedical Technologies) initiative. In the first stage, 52 departments, laboratories and teams of the two faculties with clearly defined research and innovation objectives, and a number of high-end technologies joined the initiative. In the second stage, the initiative is becoming the starting point for the establishment of the ILBT as a centre of state-of-the-art and innovative biomedical technologies in the newly built Bohunice campus.

Faculty of Law:

Research activities at the Faculty of Law are characterized by a long-term amplification of its European dimension. Research focal points are projects on competition policies and mergers in the Czech and European contexts, rights of children in the documents of the Council of Europe, and international and European ethical standards of medical research. Research activities at the FoL MU are undertaken in parallel at many levels, and they include projects in the area of legal control over finances and assets of self-administered territorial units, philosophical and legal analysis of the protection of human rights against all kinds of discrimination, etc. Research is also undertaken into legal attitudes and value orientation of female criminals with a special attention to adolescent and adult Roma females and the evolution of Czech and Moravian provincial procedural law in the light of law codifications in the first half of the 17th century.

Faculty of Law of Masaryk University organizes a student research competition divided into sections on the private and public law, and European and international law. The

competitors, whose numbers are steadily growing, include also a number of students from other faculties of law.

Faculty of Arts:

Faculty of Arts MU combines disciplines very much different in character, scope of their research activities, and the ways in which they put research results into practice. The basic orientation of its research has not changed very much for a number of years, and it is organized in the framework of faculty institutes from clinical psychology, historical disciplines and social sciences to the art history and theory, philosophy and Indo-European, classical, West-European and Slavic philology disciplines.

In the principal research areas, the FoA continued to participate in the activities of the Research Centre (Centre for Work with Patristic, Medieval and Renaissance Texts) and two long-term projects (Centre of Archaeological Studies of Social Structures of Prehistoric to the High Medieval Periods, Codex hymnologicus Bohemiae). The deadline of the two long-term projects has been extended by a year, and both projects will be concluded by the new deadline.

A quite important aspect in R&D at the FoA is that the number of research projects supported by grant funding continues to be relatively very large. In this respect, the positive trend continued at the FoA in practically all of the disciplines taught at the faculty, and the ratio of research appropriations has increased significantly.

Last year, several of long-term projects were successfully completed and their outputs have gained international recognition (Indo-European linguistics, the Mycenaean Greek, Old Slavonic).

School of Social Studies:

Research has focused on the transformation of the society, ethnic groups, minorities, and on marginalized groups. Children, youth, family – development trends, social relations and contexts, counselling, social and intervention programmes. Research has been focused on the reflection of identity in sociology, political science and psychology. Social, cultural and institutional conditions of active citizenship. Political theory, political systems, European integration. Employment policies, communal policies of social services and labour programmes in Roma communities. Culture of social work services. Demographic trends, social policies and social programmes. Humanitarian aspects of environmental issues.

Faculty of Science:

At the Faculty of Science, which by nature is a research institution with many disciplines, a great deal of attention is given to the development of R&D in combination with teaching activities. Its traditional disciplines include physics, chemistry, biology, geology, geography and mathematics. Intensive research is also underway in 11 long-term research projects of the Ministry of Education, three of which being in the area of physical sciences, and two each in mathematics, chemistry, biology and geology-geography.

Faculty of Informatics:

The orientation of the research and development of the Faculty and its cooperation with the Academy of Sciences of the Czech Republic (AS CR) have remained the same as in previous years. The Faculty continues to emphasize its orientation towards theoretical informatics, parallel and distributed systems, quantum computers, super-computing, electronic typesetting, graphics and virtual reality, computer processing of natural languages, assistive technologies, software engineering and environmental systems.

Faculty of Education:

Compared with 2002, there has been no fundamental change in the orientation of research and development at the FoE MU, which follows from the principal objective of the faculty, i.e. the professional preparation and training of teachers for all grades and types of school. For that reason, it is primarily focussed on the area of education and pedagogic disciplines.

Faculty of Sports Studies:

The main area of research at the Faculty of Sports Studies of MU is kinanthropology. The research is aimed at reaching a better understanding of kinanthropology and its special disciplines, increasing the quality of instruction at the faculty and at transferring the findings to everyday practice in sports and physical education to schools for both healthy individuals and people with impaired health, in all age brackets and on all levels of performance.

The research is oriented at three basic areas in kinanthropology: structural and developmental kinanthropology, social, cultural and pedagogical kinanthropology, and medical kinanthropology.

Faculty of Economics and Administration:

The orientation of R&D at the Faculty of Economics and Administration is determined by the Faculty's structure and areas of emphasis, and it influences long-term focus of individual disciplines at departments.

At present, R&D efforts of the Faculty are channelled mainly to the following areas: empirical analysis and theoretical aspects of the transformation process of Czech economy, effectiveness in the public sector, evaluation of the inland revenue system effectiveness, impacts of monetary policies and external shocks on a small open economy, transformation of the financial sector in the CR, organisation structures of corporations and corporate economy, utilization of human resources in undertakings, regional development and its economic aspects, public administration and public budgets, development of economic thinking in Moravia – the Brno school, information system on a territory, territorially-oriented information system, capital investment activities of selected cities, public sector and capital markets, development of financial management of undertakings under the conditions of European economic integration, development of monetary-economic relations in Moravia, financial system in the CR (analysis of and comparison with other European economies, possibilities of future development, operation of NGOs, legal framework of the financial system).

INTERNATIONAL COOPERATION IN RESEARCH AND DEVELOPMENT

Faculty of Medicine:

The main thrust of international cooperation at the FoM was in bilateral cooperation, and contacts of individual institutes and clinics. Several young experts of the faculty received long-term scholarships from top schools in the USA, Western Europe and Australia.

Cooperation with university workplaces in Dallas in placements of physicians in a number of disciplines, and in neurosciences in Montreal continued. Workplaces of the FoM participate in the COST project, and have received financial assistance for their programmes from the Austrian Federal Ministry of Education, Science and Culture. In line with traditions, FoM's workplaces further developed their participation in international programmes of medical epidemiology and prevention. Individual workplaces at the FoM MU begin to gradually participate in projects of the 5th and 6th FP EU.

During visits at universities abroad and conferences on the training of new physicals, experience of the hosts were compared with ours. It was concluded that the Faculty does not lag behind in the quality of instruction, but the instruction processes will have to be made more effective.

Faculty of Arts:

In 2003, cooperation between individual departments at the FoA and a number of international university and research establishments continued. Academic staff travelled

abroad on repeated or short-term lecture tours, and to international conferences. Last year, the FoA played host to the Czech office of the Österreichische Ost- und Südoosteuropa Institut, Wien, whose assistance made it possible, among other things, for Austrian and Czech workers to undertake joint research.

Faculty of Law:

A major event was the one-day international symposium of the financing of local government organized by the Faculty of Law of MU in cooperation with the International Institute of Political Studies of MU and Konrad Adenauer Foundation. The symposium was attended by leading experts, mainly from Central and Eastern Europe.

More and more teachers from the FoL took an active part in conferences and seminars (mainly in neighbouring countries), attended study stays abroad and participated in international research projects. They were also active as advisors in recognized bodies of the Council of Europe and in international NGOs.

The FoL focused on testing extended research cooperation with the Faculty of Law in Aix-en-Provence. It has maintained its contacts with The John Marshall Law School in Chicago.

School of Social Studies:

Cooperation takes the form of the involvement in EU programmes and of joint grant projects. They are, e.g., projects

of the EU Commission in the Jean Monnet programme, projects of the Open Society Fund, LEONARDO, KONTAKT, the 5th framework programme of the EU, etc. On the basis of bilateral agreements with foreign faculties, exchanges of teachers and students, placements and lectures were organized. The faculty staff are members of editorial boards of foreign journals, expert commissions, professional societies, and they help organize international conferences.

Faculty of Science:

International cooperation took the form of personal exchanges, joint research programmes, conferences, scholarships for young researchers, and joint publications. In addition, a number of joint doctoral degree programmes and postgraduate placements of young research workers were organized in this country. Professors from abroad were invited to give lectures at the faculty. The teachers of the faculty participated in research projects of the EU INCO-COPERNICUS, KONTAKT, CEEPUS, Geographical Information Systems International Group, TEMPUS, ERASMUS, LEONARDO DA VINCI, Barrande NATO – Science for Peace, Fogaarty, etc.

Faculty of Informatics:

International cooperation took the form of the academic staff participation in international scientific conferences and in international grant projects. International cooperation has been extended mainly by the involvement of the staff in the 6th framework programme of the EU – two projects NeO DELOS and NeO FIDIS are to be signed shortly. At present, our faculty is the contractor for 1 international Timetabling project, Purdue University, USA and 1 project of the 5th FP IST – BALLCANET. In 2003, the FoI continued in its tradition of informatics colloquiums attended by well-known scientists from the Czech Republic and abroad.

Faculty of Education:

In 2003, the department of mathematics launched new cooperation initiatives with Siena University (Italy) and Thrace University (Greece), the department of social pedagogy with

University in Osnabrück (Germany), the department of the German language and literature with the Academy of Pedagogy in Linz (Austria) as part of the SOCRATES/ERASMUS programme. In connection with the launching of the German-Czech Electronic Parallel Corpus project, the department of the German language and literature started cooperating with the Institute of the Czech National Corpus of the FoA at Charles University.

Faculty of Economics and Administration:

The most extensive cooperation was developed with University of Economics in Bratislava, Institute of Econometrics, University of Matej Bela, Banská Bystrica (Slovakia), Akademia ekonomiczna Krakow (Poland), Akademia ekonomiczna Katowice (Poland), and the areas of cooperation included primarily joint research and joint publication of books and study materials.

Faculty of Sports Studies:

International research cooperation at the FoSpS is organized under bilateral agreements (with the Institut für Sportwissenschaft der Otto-von-Querique-Uni Magdeburg, Germany, Matej Béla University in Banská Bystrica, Slovakia), on the framework of international projects (SOCRATES / ERASMUS, Institut für Sportwissenschaft der Ernst-Moritz-Arndt-Uni Greifswald, Germany, CEEPUS – CZ 12) as well as other types of international cooperation (Poznan – Akademia Wychowania Fizycznego, Poland).

In 2003, the Faculty of Sports Studies welcomed several lecturers from abroad. Among the most distinguished were Professor Peter Blaser and Professor Anita Hoekelmann (Magdeburg University, Germany).

The FoSpS was also active as organizer of international events, the international conference Sporting Activities and Games and their Relationship to Health and Quality of Life, and the international seminar New Findings in Athletics 2003.

COOPERATION WITH THE CZECH ACADEMY OF SCIENCES, MINISTERIAL RESEARCH INSTITUTES AND THE NON-GOVERNMENT SECTOR

Faculty of Medicine:

The FoM maintains direct links mainly to the Institute of Biophysics of the Czech Academy of Sciences in Brno, with which it shares a common interest in molecular biology and genetics.

In 2003, links between the FoM and the Masaryk Oncology Institute were strengthened in the fields of oncology instruction and research, particularly in the activities of the University Oncology Centre. With the setting up of the Clinic of Traumatology at the Traumatological Hospital as a state-operated in-patient facility outside the system of teaching hospitals, the FoM has won access to a top traumatological surgery facility with intensive traumatological care for all types of instruction. The clinic's spinal unit including rehabilitation care for patients with spinal cord injuries is unique and has national importance.

A number of clinics cooperate with international pharmaceutical companies in testing new drugs and treatment protocols as part of their professional endeavours. In 2003, the activities of the Centre for Biostatistics and Analysis, which is responsible for the management of clinical studies not only for the FoM MU but, using the contract research facility approach, also for other institutes, were more clearly defined and strengthened.

The FoM, acting in unison with MU representatives, pushed the establishment of the South Moravian Centre for Innovations through, with the expectation of future support for academic development and contract research from regional administrations. The FoM successfully defended its preparatory tasks undertaken in the Medipark project within the European project INTERPRISE, in which it collaborated with the metropolitan authority of the City of Brno.

Faculty of Arts:

Basic cooperation in research between individual departments of the FoA and various institutes of the AS CR continued smoothly and within the same as before. The list of partners includes almost all departments of the FoA and their counterparts among Academy institutes. The cooperation is very stable.

Faculty of Law:

Cooperation in individual tiers is subject and institution based. FoL teachers participate in projects of the Grant Agency of the AS CR (legislative regulation of finance and assets of territorial self-administered units). They cooperate with the highest judicial institutions, such as the Constitutional Court, the Supreme Court and the Supreme Administrative Court, both as judges, advisors or assistants to judges. They have also been invited by various ministries (Ministry of the Interior, Ministry of Foreign Affairs, Ministry of Defence, etc.) and central authorities (Ombudsman's Office) give legal opinions. They also serve as chairpersons and members of remonstrance committees of various ministries, and participate in consulting activities of the Czech Government Council for Human Rights. They also work in support of activities of national and international NGOs.

School of Social Studies:

In individual projects, SoSS departments cooperate with institutes at the Academy of Sciences of the Czech Republic (Psychological Institute of AS CR, Sociological Institute of AS CR), ministerial departments of applied research (Research Institute of labour and social affairs of CR), and with regional and local governments (South-Moravian Region Authority, Metropolitan Authority of the City of Brno, etc.). Cooperation with NGOs mainly includes issues of social prevention and intervention, the life of minorities, the life of the Romas, and the creation and protection of the environment. Joint activities with counterpart institutes and departments of other universities are common and include conferences, joint publications, reciprocal representation on PGS boards and in scientific councils of various institutions, involvement in dissertation proceedings, participation of staff members in the work of editorial boards of journals, acting as reviewers for the journals, etc.

Faculty of Science:

The cooperation took the form of joined research projects, reciprocal representation on scientific boards of institutions, participation of staff members in dissertation proceedings, in the work of editorial boards of journals, and reviewing materials for those journals.

Cooperation in the area of doctoral degree programmes is implemented on the basis of agreements with institutes of the AS CR, namely the Institute of Biophysics, Institute of Hydrobiology, Institute of Astronomy, Ondřejov Institute, Prague Institute of Mathematics, Prague Institute of Macromolecular Chemistry, Institute for Biology of Vertebrates, Institute of Analytic Chemistry, Institute for Physical Metallurgy,

Institute of Scientific Instruments and a number of other institutions (Research Institute of Veterinary Medicine, Masaryk Institute for Oncology), many of which have a co-accreditation for specific doctoral study programme disciplines.

Faculty of Informatics:

The faculty's orientation of research and development and its cooperation with the AS CR has remained the same as in previous years. Staff of the faculty continue in their cooperation with non-university R&D institutions (Institute of Biophysics of the AS CR, Institute for the Czech Language of the AS CR, Institute of Physical Chemistry of J. Heyrovský, Teaching Hospital Brno).

Faculty of Education:

Cooperation between the FoE, Institutes of the AS CR and other non-university scientific institutions is varied because there is a broad range of disciplines represented at the faculty. Cooperation is developed in areas combining scientific and pedagogical issues, as well as in areas exclusively focused on research, i.e. work on grant projects. Cooperating institutes in the CR include Institute of Psychology, Institute of Biophysics, Institute of Physics of Materials, Institute of Scientific Instruments, Institute of Microbiology, Institute of Molecular Genetics, Institute for Biology of Vertebrates, Historical Institute, Institute for the Czech Language, Institute for Czech Literature; cooperating institutes abroad are, e.g., Institute of Macromolecular Biotechnologies of the AS in Jena (participation in the EU project of research into basic life processes of the cell of a model microorganism), International Institut für Leseforschung und Kinderliteratur Vienna, Geisteswissenschaftliches Zentrum für Kultur und Geschichte Ostmitteleuropas Leipzig, Instytut Języka Polskiego Krakow, Historical Institute of the SAS in Bratislava (participation in the VEGA project), Institutes of Chemistry and Geography of the SAS, Bratislava. Other cooperating institutions worthy of mention include the Historical Institute of the Armed Forces of the CR, Goethe-Institut Prague, Association of Czech Mathematicians and Physicians, and the Czech Association of Teachers of Russian.

Faculty of Economics and Administration:

The faculty cooperates on grant projects with the Institute of National Economy and the Institute of Theory of Information and Automation of the AS CR. It continues its cooperation with various offices of state administration, e.g. the South Moravian Regional Authority, Brno Chamber of Commerce, Regional Development Agency of South Moravia in Brno, the Institute of Territorial Development in Brno, and the Office for the protection of Economic Competition. In 2003, the faculty started a joint project with the non-profit organisation TRIALOG – The Centre for Non-Profit Sector Research.

Faculty of Sports Studies:

Work on the GA CR project 2003–5: Psychological aspects of Further Education of Teachers was started.

EVALUATION OF LONG-TERM RESEARCH PROGRAMMES AND RESEARCH CENTRES

Faculty of Medicine:

Four long-term research programmes of the FoM MU from the area of molecular pathology of polygene-conditioned diseases, cardiovascular diseases, neural sciences and oncology including carcinogenic risks were assessed on the basis of annual reports and in an hoc commissions of the Ministry of Education. All the four long-term research programmes were positively assessed and they continue to be supported at the FoM.

The CEZ MZ 98001 research programme "Some Problems of Childhood: Longitudinal study" has been transferred from the MoH to the MoE. The MoE decided to discontinue further funding of the programme, and, consequently, the final assessment of the programme was made before the scientific council of the FoM MU on 22.01.2004.

Based on long-term research plans, the FoM MU will submit drafts of new long-term research programmes for 2006 – 2011 that will further develop the themes opened in the existing research programmes.

Institutional funding for long-term research programmes significantly contribute to the development of new methods and technologies at the FoM MU.

Faculty of Arts:

In the main thrust of its research, the FoA continued to participate in the research centre activities (work with patristic, medieval and renaissance texts), and two long-term research programmes successfully continued for the 5th year (archaeology and music science). The deadline of the two long-term projects has been extended by a year, and both projects will be concluded in 2004.

School of Social Studies:

The long-term research programme "Children, Youth and Family in Transformation" with its 20 long-term specific projects in which four institutions of the SoSS MU cooperate entered its 5th year in 2003. The four cooperating institutions are the Department of Psychology, Department of Social Politics and Social Work, Department of Sociology, and the Research Centre of Personality and Ethnicity Development. In October 2003, the SoSS MU organized a symposium on "Modernisation and the Czech family", with an active participation of workers involved in individual specific long-term research projects, and workers from the Research Institute of Labour and Social Affairs of the Czech Academy of Science and from South Bohemian University.

In December 2003, Barrister& Principal published a 346-page "Modernization and Czech Family" with the main results of research work done in the long-term research programme in 2003. Individual specific research projects as well as the long-term research programme as a whole had been continuously audited with a very good result.

The long-term research programme "Ethnic groups, minorities and marginalized groups" continued for a fifth year, consisting of 12 specific long-term projects. The integrating theoretical concept of the approach to the subject is social exclusion – social inclusion viewed from cultural, social, political science, psychological and socio-political aspects. Results of research projects are published regularly. In 2003, research

projects were published in issues 9 and 10 of the Social Studies volumes of writings of the School of Social Studies, they were used in another four monographs and volumes of writings and a number of journal articles. The project was audited successfully.

The activities of the Centre for Research into the Development of Personality and Ethnicity at the SoSS entered its 4th year. The Centre coordinates activities of five research institutions: Institute for Research of Children, Youth and the Family at the SoSS MU, research section of the Department of Preventive and Social Paediatrics of the Institute of Social Medicine and Public Health of the FoM MU in Brno, research section at the Faculty of Humanities of Charles University in Prague, research section of Ethno- and Socio-linguistic Analysis of the Institute for the Czech Language and Literature of the Czech Academy of Sciences in Prague, and the research section of the Point s.r.o Company in Prague. Among other activities, the Centre is engaged in a unique longitudinal research project of children and families as part of the international ELSPAC research, and develops cooperation with a number of foreign institutions (Örebro University, Sweden). Results and findings acquired are used by various institutions, and in a number of courses at the SoSS. The overall progress of Centrum projects was continuously audited in 2003 with excellent results.

Faculty of Science:

Long-term research programmes have made a significant contribution to the enhancement of the research capabilities of the faculty. Based on the programmes, the FoS has incorporated two new academic facilities into its structure, namely the Laboratory of Functional Genomics and Proteomics into the Biology Section, and the Laboratory of Plasma Physics and Plasma Sources into the Physics Section.

All long-term research plans underway were assessed very positively by the reviewers.

The National Centre for Research into Biomolecules is an economically independent part of the Faculty, with a special emphasis on research and instruction in doctoral study programmes combined with research. Facilities associated with the Centre are in the Research Institute of Veterinary Medicine in Brno and the Institute of Biophysics of the AS CR in Brno. The organisational structure of the units corresponds to the institutes of the AS CR. The main areas of research include studies of the relationship between the structure and biological function of biomolecules on different levels. The Centre is primarily an important methodological institution. The key methods developed by the Centre include nuclear magnetic resonance spectroscopy, and computer modelling and simulation. For these activities, the Centre is equipped with state-of-the-art instruments. In addition to the above, the Centre also applies biochemical and microbiological methods, methods of molecular biology and bioinformatics, protein engineering, and, last but not least, crystallography of biomacromolecules. The research projects carried out by the Centre involve nucleic acids, proteins, sugars, supramolecules, small organic molecules and conglomerates of the above molecules. Potential practical outputs of the research carried out by the Centre include the development of drugs and medicines (cancer, salmonellosis), protection of the environment (degradation of

halogenated hydrocarbons), or special analytic materials (supramolecular chemistry).

Faculty of Informatics:

In 2003, the FoI organized three long-term research programmes, namely "Non-sequential models of computation", "Use of computer image analysis in optical microscopy" and "Interaction between man and computer, dialogue systems and assistive technologies". All assessments of all our research projects by all of the reviewers were positive, and they recommended that the long-term research programmes continue.

Faculty of Education:

The long-term research programme "Teachers and Health (Psychological Approach)" progressed according to plan. The 6th congress with international participation on "Teachers and Health" was held. Because of the growing interest of experts from abroad, the conference proceedings will be published in English. The FoE has applied for an extension of the long-term research programme for 2004. The Ministry of Education, acknowledging that the necessary requirements

have been met, agree to continue provide institutional assistance to research into that area.

Faculty of Economics and Administration:

Research into allocation and technical effectiveness as part of the long-term research programme "Effectiveness factors in the development of regions in the CR" continued in 2003.

The most important outputs of the project include monographs "Regional evaluation of the quality of business environment in the Czech Republic" and the "Reform of public administration and public finance, and factors of regional development effectiveness". Other publications included the study "Theoretical and methodological starting points for the evaluation of regional development projects" and proceedings from three conferences.

Institute of Computer Science

The long-term research plan "Digital Libraries" continued in 2003, with technical aspects of faculty libraries operation being investigated.

SPECIFIC RESEARCH PROJECTS

Faculty of Medicine:

Institutional resources designated for specific research were used to support projects undertaken together with students as part of their bachelor's and doctoral study programmes, both in the form of seminar assignments, student research activities and diploma theses in non-medical disciplines. A new type of creative assignments, namely independent specialist students' assignments, has been introduced for FoM MU undergraduates in General Medicine and Dentistry, which has thus become part of the medical curriculum.

Faculty of Arts:

Institutional resources provided for specific research projects were primarily used for research undertaken by doctoral degree programme students in 2003. They were mainly used to cover costs of preparing and writing diploma theses and dissertations, of organizing and administering doctoral study programmes, purchasing scientific journals and, partly, of operating the Central Library of the Faculty of Arts.

Faculty of Law:

Institutional resources for specific research are used to finance various activities that have one thing in common, namely they organically combine research activities at the Faculty of Law undertaken by both students and teachers. More and more undergraduates show interest in research. Last year, the student research competition was open for all students of master's degree programmes from all Czech and Moravian faculties for the first time, and that opportunity was taken advantage of mainly by students from the Prague and the Olomouc faculties of law. The competition was organized in three sections: public law, private law and European and international law. It was stipulated that competition entries could not be used as diploma or state exam theses. Winning entries were of high quality by rigorous scientific standards. Besides, their defence very much met the purpose of a scientific

disputation that developed not only between the students and the teachers, but also among students themselves. The Faculty of Law also uses the funds to organize scientific symposia (local government financing), conferences and seminars (Department of Commercial Law) with doctorands' participation, and to cover the costs of doctoral degree study programmes. Specific research projects funds are also used to pay the authors of critical reviews of doctoral dissertations, and to organize dissertation defence procedures.

Faculty of Science:

Institutional resources for specific research were used to finance research directly connected with instruction of students, particularly in master's and doctoral degree programmes. A part of them were used for remuneration of academic staff (35 %), and as the faculty's operating funds for the above activities.

Faculty of Informatics:

Institutional funding for specific research projects at the FoI MU in 2003 was used to cover remuneration and materials costs of research projects undertaken jointly by the teachers and students, specifically for the support of joint R&D projects of students and teachers, international R&D contacts of its students and joint R&D teams, and for the support of the transfer of results of R&D to instruction. A part of the funds went also to the support of participation of students in scientific competitions.

They were also used to enhance mobility of students from master's and doctoral degrees study programmes, and for expert reviews of diploma theses and dissertations.

Faculty of Education:

In agreement with MU internal budgeting regulations for the calendar year 2003, specific research funds were partly used, as in previous years, to finance the FoE grants in

categories A (R&D projects of students of master's degree programmes) and B (R&D projects of students of doctoral degree programmes). A total of 32 projects were thus supported. In this way, the FoE drew on its positive experience of previous years. The projects enhance professional activities of students of both master's and doctoral degree programmes and give them an opportunity to gain at the faculty a very hands-on experience of grant projects and their both scientific and administrative dimensions (application, final report, accounts, defence process). Some of the funds were used to finance the newly-built Centre of Education Research, which intensively participates in the organisation of doctoral (but also of master's) degree programmes mainly at the department of education by organizing seminars, workshops and lectures on methodology and discipline didactics. The Centre is also building a library of methodological and research literature, and a database of educational research methodology information for its web pages. Another part of specific research funds was used to co-finance the participation and specialist cooperation of students in the Paper 03 Symposium, to purchase a computer and microscopes for the work of full-time doctorands, to cover the costs associated with the defence process for students' projects within faculty programmes as well as HEDF grants, and to cover the costs of other administrative and payroll expenses of the staff responsible for the management and organisation of research and development.

Faculty of Economics and Administration:

- renewal and modernisation of computer technologies,
- acquisition of books and serials for departments,
- editorial work on proceedings and publications,
- acquisition of new software
- scholarships for students taking part in team research projects,
- bonuses for staff in R&D joint teams with students.

Faculty of Sports Studies:

Institutional funds were used for R&D activities of students of doctoral degree programmes in kinanthropology. Projects following from or associated with their dissertations were undertaken. In 2003, they included: Compensation programme of exercises for the optimization of physical activities of middle-aged with a sedentary job, Importance of physical fitness in relation to lifestyles of the elderly, Construction for reading the speed of swimmers, Development of specific software for fine muscular movements of visually handicapped youth, Development of specific software for youth with impaired hearing, Changes in selected somatic indices during a mountaineering expedition in the Himalayas in relation to the energy balance and changes in the strain on the organism during the expedition, and Reliability of height prediction in children after treatment for oncological disease.

EDUCATIONAL ACTIVITIES

STUDY PROGRAMMES

In the academic year 2002/03, the nine faculties of Masaryk University offered 46, 28, 33 and 26 bachelor's, master's, follow-up master's and doctoral degree programmes, respectively, and 299, 245, 78 and 132 bachelor's, master's follow-up, master's and doctoral degree study areas, respectively.

During the academic year, new study programmes were accredited, and the accreditation of study programmes at the Faculties of Education, Arts, Medicine and Informatics were extended. In accordance with the amended Universities Act 147/2001 Sb., Masaryk University Brno applied for the extension of accreditation for master's degree programmes and areas for at the Faculties of Medicine, Arts, Law, Education, Economics and Administration, and at the School of Social Studies.

In the academic year 2003/2004, a total of 41 students attended the study area l'Administration Publique – public administration at the Faculty of Economics and Administration developed jointly by Masaryk University Brno and University in Rennes I (France). Classes are given by Czech and French teachers Accredited in July 2002, the study area has been designed to train highly-skilled workers for public administration. Instructions of markedly interdisciplinary character utilize the well-proven know-how of the renowned French institute IPAG (INSTITUT DE PREPARATION A L' ADMINISTRATION GENERALE) attached to Rennes University. The focus of the area, subject structure and methods of instruction correspond to standards applied in France. Together with sound knowledge in economics, graduates have a broad-based training in administrative sciences and law, with a special emphasis on the European dimension of processes taking place in public administration. The first graduates are expected in 2004, and, in addition to the Masaryk University diploma, they will also receive the certificate from Rennes I University.

In the first half of 2003, amended Rules for Study and Examinations were prepared and approved by the Academic Senate of MU for students of bachelor's and master's degree study programmes of Masaryk University Brno. The amendment emphasizes the openness of degree programmes, support to individualized study schedules, and it has set up conditions for the checks of academic achievement. The basic time interval at which the checks are to be made is a semester, and it also

defines the rules for the continuation of study in the next semester. It also amended formal aspects of study records by means of a credit system based on ECTS principles.

INSTRUCTION QUALITY ASSESSMENT

In 2003, surveys were organized in both semesters for the first time where students were invited to assess the quality of instruction in subjects they studied. Surveys are an important instrument in instruction quality testing because the use of the university information system for surveys has helped to achieve high response rates while guaranteeing absolute anonymity and credibility. Detailed responses to individual courses and teachers are used by teachers as suggestions for their future work, and as one type of instruction monitoring.

While students may send in their assessments repeatedly throughout the semester should they change their opinions, the system, while maintaining full anonymity, can tell how many people contacted did send in their comments. In the spring semester, instruction quality assessments were sent in by 8,787 students (i.e. 42% of MU students), and by 14,777 students (i.e. 58% of MU students) in the autumn semester.

The electronic acquisition of responses makes statistical processing and comparisons very easy. Using a prepared scale, students are invited to comment on each subject as a whole and on its individual teachers, and in answers to five questions, they pronounce on how difficult, interesting and clear the instruction is, on the teacher's approach, and on the literature for the subject. Following data acquisition, statistical surveys and scores are published. Comments can also be added but these are accessible for the teachers only.

ADMISSIONS PROCEEDINGS

In 2003, a total of 43,559 applications for study at degree programmes of Masaryk University were received, of which 19,114 applications were submitted electronically. Of 32,412 applicants who took entrance exams, 19,926 passed. A total of 12,340 applicants were admitted, of which 9,274 matriculated.

Tab. 1 – Numbers of applications for full-time (FT) and combined (C) study programmes

Type	FoM	FoA	FoL	SoSS	FoS	FoI	FoE	FoSpS	FoEA	MU
full time	3 310	6 544	4 472	4 053	3 616	1 856	4 411	1 395	4 238	33 895
combined	282	1 350	2 332	1 579	41	0	2 104	337	1 839	9 864

Tab. 2 – Success rates in admissions proceedings at individual faculties

FoM	FoA	FoL	SoSS	FoS	FoI	FoE	FoSpS	FoEA	MU
1 519	5 318	986	1 793	1 661	946	3 272	489	3 942	19 926
51.6 %	76.4 %	15.18 %	35.62 %	50.86 %	61.19 %	55.9 %	36.96 %	68.54 %	50.85 %

Tab. 3 – Numbers of students matriculated at individual faculties

FoM	FoA	FoI	SoSS	FoS	FoI	FoE	FoSpS	FoEA	MU
696	2 099	833	836	809	707	1 766	388	1 140	9 274

Two study programmes are studied simultaneously by 469 students, 38 students attend three study programmes and 1 student studies four study programmes in parallel.

Appeals against admissions proceedings were submitted by a total of 7,122 applicants, of which 57 admitted on the Rector's decision,

and another 911 applicants through the autoremedura process by the Dean.

A total of 34 applications from people with special demands regarding the testing format were received at MU, of which there were 20 with severe sight impairment, 5 with impaired hearing, and 6 with severe physical disabilities.

Tab. 4 – Applicants with special needs regarding the entrance test format

Number of applicants with special needs	visually impaired	impaired hearing	physically disabled	slight cerebral dysfunction	total
applied to study	20	6	6	2	34
admitted to study	13	5	2	0	20

Masaryk University Brno considers the 2003 admissions proceedings for handicapped applicants as completely unique in the history of its care for this type of applicants. Entrance tests were produced in 7 different technical versions according to the type of disability. All applicants with special needs were able to take entrance exams under special conditions at MU. At their request, the text was translated into Braille, executed in the Assistance Centre for Students with Special Needs using information technologies allowing the use of the tactile line, or translated by an interpreter into the language used by people with impaired hearing with the assistance in the sign language.

For the academic year 2003/2004, Masaryk University Brno introduced some changes in the content of admissions proceedings, and it replaced traditional knowledge tests with scholastic aptitude tests (SAT). At some faculties, namely at the Faculties of Law and of Economics and Administration, and in the case of several study programmes at the faculties of Science and of Arts, SATs were the only criterion deciding about the admission for study. At other faculties, SAT was one part of their entrance test. At the faculty of Medicine, e.g., it made up 30% of the test results, with the remaining 70% reserved for biology and chemistry tests. The only two faculties that did not use aptitude tests were the Faculty of Informatics (its entrance exams consisted of tests in grammar school mathematics) and the School of Social Studies.

SAT consisted of 8 subtests investigating specific mental faculties, e.g. numerical (simplification of mathematic situations, speed of numerical operations), analytical (searching

for information in graphs and tales, evaluation of logical conditions), symbolical, critical (identification of defective argumentation in a written text, identifying an order in a set of data), logical and verbal (vocabulary, understanding written text, assessment of differences in the meaning of words), spatial orientation, judgements and basics of scientific thinking. Each subtest consisted of 10 assignments. The test had to be completed in 80 minutes. Results of SAT were given in the so-called percentiles, i.e. the percentage order of all the persons tested, whereby the percentile rank indicates how many per cent of results among all the persons tested were worse.

Masaryk University Brno made the admissions proceedings as transparent as possible. To rule out the possibility of any doubts being raised about SAT results, identical tests in 24 versions and the task difficulty interval between 25 and 85% were designed for all MU faculties (with the exception of the School of Social Studies and the Faculty of Informatics). Special attention was paid to correlations between individual version. The questions were prepared by several authors, and they were each thoroughly checked before the entrance exams to prevent ambiguities in interpreting the questions and the answers.

Examinees were able to see detailed results of their tests published on the Internet at http://is.muni.cz/prihlaska/info_zkouska.pl on entering their application number and the date of birth. The normal distribution curve of the exams results shows a symmetrical distribution of the above-average and below-average scores for both individual versions of the test and at individual faculties.

The Scholastic Aptitude test in the entrance exams was taken by a total of 24,858 applicants. The top score was 77

out of the maximum of 80. The mean score was 47.28, and results at individual faculties are given in Tab. 5.

Tab. 5 – Scholastic Aptitude Test results at individual faculties

	SoSS	FoEA	FoA	FoSpS	FoM	FoE	FoS	FoL
Number of examinees	795	5 006	5 973	1 187	2 736	4 614	2 540	5 745
LOWEST scores	26	15	8	8	11	12	12	9
HIGHEST scores	70	71	71	71	77	70	74	73
AVERAGE score	47,2	48,5	47,6	45,3	46,3	45,0	49,6	48,5
STANDARD DEVIATION	7,1	7,5	7,6	7,8	8,2	7,5	7,4	7,5
MEDIAN score	48	49	48	46	46	45	50	49

Results of Scholarly Aptitude test: basic statistics

Total number of points: The highest number of points scored: **77 points**

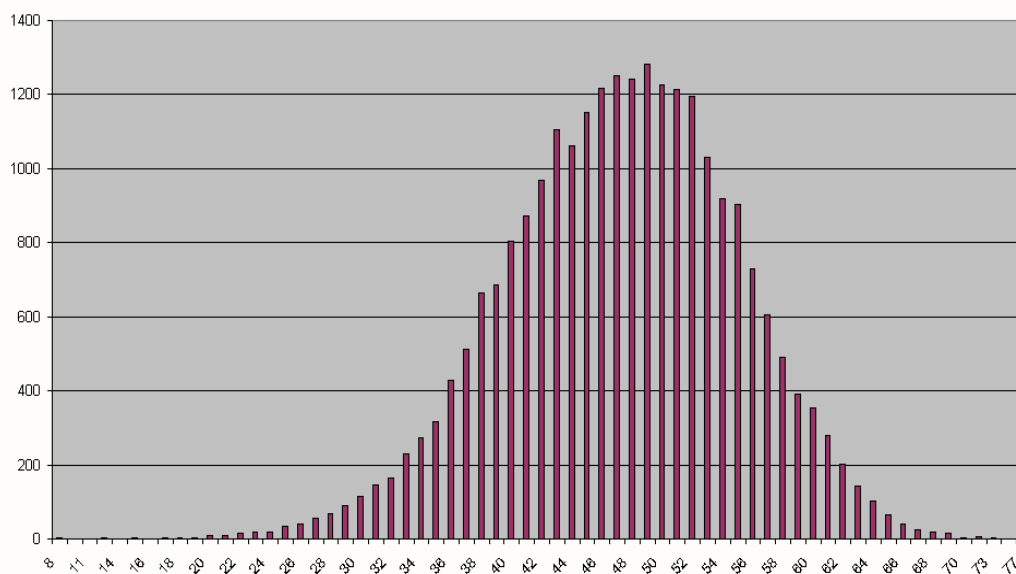
Mean score: **47.262 points**

Standard deviation of results: **7.724**

d1 decile (10 %): 37 points
d2 decile (20 %): 41 points
d3 decile (30 %): 43 points
d4 decile (40 %): 46 points
d5 decile (50 %): 48 points
d6 decile (60 %): 50 points
d7 decile (70 %): 52 points
d8 decile (80 %): 54 points
d9 decile (90 %): **57 points**

Note: Limits of individual deciles of the test results (d_1 , d_2 , d_3 , d_4 , d_5 , d_6 , d_7 , d_8 , d_9) are set to divide examinees according to their test results into groups of the same size, and d_5 is the median.. The median is the mean value of test results scored by examinees.

Normal distribution curve of points scored in above- and below-average results of applicants taking the entrance exam at MU Brno



STUDENTS' AWARDS

MU Rector's Prize for the best students of master's degree programmes

1. **Radek Pelánek**, student, 10th semester, study programme of Informatics, degree branch of Informatics, FoI
2. **Lukáš Vokřínek**, student, 8th semester, study programme of Mathematics, degree branch of Geometry, FoS
3. **Julie Vašků**, student, 8th semester, study programme of General Medicine, degree branch of General Medicine, FoM

Rector's prize to the Best Sportsperson at MU

Hana Machová, student, 6th semester, study programme of Physical Education and Sports, degree branch of Teacher of Physical Education and Teacher of Special Pedagogy at secondary schools, Faculty of Sports Studies

Tab.6 – Numbers of full-time and other MU students with Czech citizenship at 31. 10. 2003

Faculty	Degree study programmes												Other forms of study	Students total MU
	Full time				Combined				Total					
	Bc.	Mgr.	Ph.D.	total	Bc.	Mgr.	Ph.D.	total	Bc.	Mgr.	Ph.D.	total		
FoM	311	1 398	165	1 874	174	0	377	551	485	1 398	542	2 425	36	2 461
FoA	2 384	1 739	192	4 315	609	120	481	1 210	2 993	1 859	673	5 525	1 375	6 900
FoL	0	2 273	16	2 289	591	0	80	671	591	2 273	96	2 960	1 239	4 199
SoSS	706	400	100	1 206	631	84	76	791	1 337	484	176	1 997	20	2 017
FoS	1 329	914	392	2 635	26	1	195	222	1 355	915	587	2 857	0	2 857
FoI	1 149	370	58	1 577	0	0	12	12	1 149	370	70	1 589	0	1 589
FoE	528	2 153	65	2 746	836	1 113	68	2 017	1 364	3 266	133	4 763	1 032	5 795
FoSpS	462	199	22	683	204	0	31	235	666	199	53	918	36	954
FoEA	261	1 417	76	1 754	1 192	0	67	1 259	1 453	1 417	143	3 013	524	3 537
RO	0	0	0	0	0	0	0	0	0	0	0	0	5 489	5 489
Total	7 130	10 863	1 086	19 079	4 263	1 318	1 387	6 968	11 393	12 181	2 473	26 047	9 751	35 798

Tab. 7 – Number of international students at MU at 31. 10. 2003

Faculty	Degree study programmes											
	Full time				Combined				Total			
	Bc.	Mgr.	Ph.D.	total	Bc.	Mgr.	Ph.D.	total	Bc.	Mgr.	Ph.D.	total
FoM	21	401	26	448	8	0	12	20	29	401	38	468
FoA	144	85	6	235	17	5	20	42	161	90	26	277
FoL	0	162	2	164	4	0	3	7	4	162	5	171
SoSS	62	28	8	98	24	1	8	33	86	29	16	131
FoS	51	36	25	112	0	1	4	5	51	37	29	117
FoI	128	36	1	165	0	0	1	1	128	36	2	166
FoE	12	12	0	24	3	27	3	33	15	39	3	57
FoSpS	6	3	0	9	0	0	8	8	6	3	8	17
FoEA	10	197	6	213	18	0	8	26	28	197	14	239
Total	434	960	74	1 468	74	34	67	175	508	994	141	1 643

Tab. 8 – Number of full-time and other students at MU at 31. 10. 2003

Faculty	Degree study programmes			Other forms	MU students, total
	Czech citizens	international students	total		
FoM	2 425	468	2 893	36	2 929
FoA	5 525	277	5 802	1 375	7 177
FoL	2 960	171	3 131	1 239	4 370
SoSS	1 997	131	2 128	20	2 148
FoS	2 857	117	2 974	0	2 974
FoI	1 589	166	1 755	0	1 755
FoE	4 763	57	4 820	1 032	5 852
FoSpS	918	17	935	36	971
FoEA	3 013	239	3 252	524	3 776
RO	0	0	0	5 489	5 489
Total	26 047	1 642	27 690	9 751	37 441

Tab. 9 – Number of students at MU

Groups of disciplines	Core discipline codes	No. of students in degree programmes				Students, total
		<i>Bc.</i>	<i>Mgr.</i>	<i>Follow-up Master's</i>	<i>Ph.D.</i>	
Natural sciences	11 through 18	2 683	1 084	253	695	4 715
Technical sciences	21 through 39	0	0	0	0	0
Agricultural, forestry and veterinary sciences	41 through 43	0	0	0	0	0
Health care, medical and pharmaceutical sciences	51 through 53	514	1 700	99	580	2 893
Social sciences and services	61, 65, 67, 71–74	4 336	1 526	550	707	7 119
Economics	62	1 481	1 420	194	157	3 252
Law, legal and public administration activities	68	595	2 435	0	101	3 131
Pedagogy, teaching profession and social care	75	1 500	2 773	563	144	4 980
Psychology and related disciplines	77	179	429	77	112	797
Culture and the arts	81, 82	613	57	15	118	803
Total	11 through 82	11 901	11 424	1 751	2 614	27 690

Tab. 10 – Numbers of students in bachelor's and master's degree programmes

Fac/Year	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
FoM	1 570 (1 570)	1 590 (1 590)	1 560 (1 560)	1 577 (1 577)	1 685 (1 660)	1 764 (1 718)	1 794 (1 699)	1 928 (1 792)	2 092 (1 927)	2 313 (2 131)
FoA	2 162 (1 926)	2 318 (2 103)	2 860 (2 674)	2 800 (2 675)	2 426 (2 291)	2 556 (2 462)	2 681 (2 577)	3 212 (2 931)	4 055 (3 578)	5 103 (4 352)
FoL	2 138 (1 924)	2 184 (2 093)	2 275 (2 249)	2 357 (2 256)	2 393 (2 245)	2 347 (2 174)	2 328 (2 174)	2 504 (2 247)	2 778 (2 351)	3 030 (2 435)
SoSS					529 (529)	820 (745)	1 181 (912)	1 568 (1 068)	1 729 (1 107)	1 936 (1 196)
FoS	1 594 (1 569)	1 669 (1 662)	1 685 (1 684)	1 842 (1 842)	1 842 (1 842)	1 924 (1 924)	1 967 (1 967)	2 054 (2 054)	2 291 (2 291)	2 358 (2 330)
FoI	315 (309)	393 (392)	506 (506)	712 (711)	904 (904)	1 156 (1 156)	1 409 (1 409)	1 492 (1 492)	1 646 (1 646)	1 683 (1 683)
FoE	2 351 (2 062)	2 572 (2 052)	2 660 (2 141)	2 974 (2 135)	3 475 (2 441)	3 489 (2 261)	3 939 (2 278)	3 535 (1 959)	3 950 (2 194)	4 684 (2 705)
FoSpS								374 (374)	684 (576)	874 (670)
FoEA	597 (565)	1 061 (777)	1 212 (887)	1 639 (984)	1 931 (1 171)	2 138 (1 208)	2 237 (1 277)	2 451 (1 424)	2 897 (1 748)	3 095 (1 885)
MU	10 727 (9 925)	11 787 (10 669)	12 758 (11 691)	13 901 (12 180)	15 185 (13 083)	16 194 (13 648)	17 536 (14 293)	19 118 (15 341)	22 122 (17 418)	25 076 (19 387)

() of which in full-time (day) degree programmes

Tab. 11 – Students-to-teacher ratios at MU

Faculty/Year	1994/95	1995/96	1996/97	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04
FoM	5,19	6,33	5,86	5,89	6,41	6,74	7,07	8,32	8,32	9,27
FoA	13,23	14,38	19,24	18,49	18,29	20,36	19,03	22,65	29,96	39,93
FoL	33,87	33,37	35,05	33,63	33,03	34,24	32,57	36,08	40,06	59,19
SoSS					28,95	29,83	35,46	44,22	39,96	36,53
FoS	9,08	9,98	10,22	11,43	11,34	11,71	12,03	12,23	12,68	12,89
FoI	50,00	19,93	25,92	29,41	35,10	30,01	30,83	39,82	38,58	34,74
FoE	10,62	11,28	14,85	17,40	20,11	21,21	18,75	17,28	28,03	31,79
FoSpS									15,08	17,76
FoEA	20,43	22,90	21,88	28,98	32,99	36,16	37,71	40,35	48,93	48,14
MU – faculties	10,50	11,79	13,57	14,63	15,66	16,62	16,28	18,25	22,49	26,56

Tab. 12 – Students of degree programmes and graduates between 1994 and 2003

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
total	11 629	11 837	13 868	15 197	16 563	17 755	19 397	21 176	24 451	27 690
graduates	1 344	1 873	2 088	2 312	2 424	2 217	2 865	2 785	3 043	3 587

Tab. 13 – Numbers of graduates at MU in 2003

Faculty	Degree study programmes											
	<i>Full time (day) study</i>				<i>Combined study</i>				<i>Total</i>			
	Bc.	Mgr.	Ph.D.	total	Bc.	Mgr.	Ph.D.	total	Bc.	Mgr.	Ph.D.	total
FoM	51	234	5	290	22	0	31	53	73	234	36	343
FoA	82	322	2	406	18	14	35	67	100	336	37	473
FoL	0	402	1	403	49	0	14	63	49	402	15	466
SoSS	122	81	3	206	9	0	7	16	131	81	10	222
FoS	55	300	19	374	0	0	43	43	55	300	62	417
FoI	173	100	3	276	0	0	5	5	173	100	8	281
FoE	20	316	1	337	167	342	6	515	187	658	7	852
FoSpS	0	78	1	79	0	0	1	1	0	78	2	80
FoEA	0	257	1	258	191	0	4	195	191	257	5	453
Total	503	2 090	36	2 629	456	356	146	958	959	2 446	182	3 587

Tab. 14 – Number of MU graduates

Groups of disciplines	Core discipline codes	No. of students in degree programmes				Total
		Bc.	Mgr.	Follow-up Master's	Ph.D.	
Natural sciences	11 through 18	228	386	1	71	686
Technical sciences	21 through 39	0	0	0	0	0
Agricultural, forestry and veterinary sciences	41 through 43	0	0	0	0	0
Health care, medical and pharmaceutical sciences	51 through 53	73	179	55	36	343
Social sciences and services	61, 65, 67, 71–74	154	340	55	40	589
Economics	62	191	242	15	5	453
Law, legal and public administration activities	68	49	402	0	15	466
Pedagogy, teaching profession and social care	75	216	421	251	6	894
Psychology and related disciplines	77	19	49	24	5	97
Culture and the arts	81, 82	29	25	1	4	59
Total	11 through 82	959	2 044	402	182	3 587

Tab. 15 – Numbers of graduates between 1994 and 2003

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
FoM	260	275	277	263	277	245	310	319	347	343
FoA	170	248	361	354	339	197	353	300	319	473
FoL	256	410	318	397	450	411	485	397	426	466
SoSS					22	65	101	126	190	222
FoS	239	292	296	318	334	327	355	291	387	417
FoI		51	47	40	44	42	85	148	140	281
FoE	419	580	663	631	614	684	839	885	895	852
FoSpS									49	80
FoEA		17	126	309	344	246	337	319	290	453
MU	1 344	1 873	2 088	2 312	2 424	2 217	2 865	2 785	3 043	3 587

Tab. 16 – Drop-out rates at MU in 2003

Faculty	Degree study programmes											
	<i>Full time (day) study</i>				<i>Combined study</i>				<i>Total</i>			
	Bc.	Mgr.	Ph.D.	total	Bc.	Mgr.	Ph.D.	total	Bc.	Mgr.	Ph.D.	total
FoM	34	114	2	150	2	0	7	9	36	114	9	159
FoA	284	53	6	343	21	6	110	137	305	59	116	480
FoL	0	86	0	86	16	0	9	25	16	86	9	111
SoSS	62	50	3	115	141	7	2	150	203	57	5	265
FoS	254	116	29	399	1	0	34	35	255	116	63	434
FoI	300	26	6	332	0	0	4	4	300	26	10	336
FoE	27	189	1	217	10	45	1	56	37	234	2	273
FoSpS	42	36	0	78	11	0	4	15	53	36	4	93
FoEA	41	115	3	159	288	0	6	294	329	115	9	453
Total	1 044	785	50	1 879	490	58	177	725	1 534	843	227	2 604

Tab. 17 – Drop-out rates at MU

Groups of disciplines	Core discipline codes	No. of failed students in degree programmes				Total
		Bc.	Mgr.	Follow-up Master's	Ph.D.	
Natural sciences	11 through 18	555	133	8	73	769
Technical sciences	21 through 39	0	0	0	0	0
Agricultural, forestry and veterinary sciences	41 through 43	0	0	0	0	0
Health care, medical and pharmaceutical sciences	51 through 53	36	112	2	9	159
Social sciences and services	61, 65, 67, 71–74	492	76	53	96	717
Economics	62	329	81	34	9	453
Law, legal and public administration activities	68	16	86	0	9	111
Pedagogy, teaching profession and social care	75	50	217	18	5	290
Psychology and related disciplines	77	19	17	4	12	52
Culture and the arts	81, 82	37	2	0	14	53
Total	11 through 82	1 534	724	119	227	2 604

Tab. 18 – Survey of admissions proceedings in 2003/2004

Faculty	Form of study	No. of applications	No. of examinees	Passed	Passed (%)	Admitted by Dean	Appeals	Autoremedura	Admitted by Rector	Admitted, total	App.'s withdrawn	invited to matriculate	Matriculated
FoM	full time	3 310	2 707	1 451	53,602	1 068	396	1	3	1 071	417	654	654
	combined	282	235	68	28,936	43	39	0	0	43	1	42	42
	Total	3 592	2 942	1 519	51,632	1 111	435	1	3	1 114	418	696	696
FoA	full time	6 544	5 866	4 422	75,384	2 277	1 522	248	1	2 278	140	2 138	1 749
	combined	1 350	1 111	896	80,648	359	220	4	0	359	5	354	350
	Total	7 894	6 977	5 318	76,222	2 636	1 742	252	1	2 637	145	2 492	2 099
FoL	full time	4 472	4 311	687	15,936	688	700	1	16	704	32	672	603
	combined	2 332	2 184	299	13,69	299	382	0	8	307	21	286	230
	Total	6 804	6 495	986	15,181	987	1 082	1	24	1 011	53	958	833
SoSS	full time	4 053	3 697	1 336	36,137	629	337	16	1	630	76	554	458
	combined	1 579	1 337	457	34,181	397	104	11	0	397	19	378	378
	Total	5 632	5 034	1 793	35,618	1 026	441	27	1	1 027	95	932	836
FoS	full time	3 616	3 231	1 628	50,387	1 587	444	262	0	1 587	313	1 274	777
	combined	41	35	33	94,286	33	0	0	0	33	4	29	32
	Total	3 657	3 266	1 661	50,857	1 620	444	262	0	1 620	317	1 303	809
FoI	full time	1 856	1 546	946	61,19	974	71	28	1	975	13	962	707
	combined	0	0	0		0	0	0	0	0	0	0	
	Total	1 856	1 546	946	61,19	974	71	28	1	975	13	962	707
FoE	full time	4 411	4 131	2 192	53,062	1 514	1 174	281	5	1 519	400	1 119	1 112
	combined	2 104	1 910	1 280	67,016	689	480	37	12	701	7	694	654
	Total	6 315	5 841	3 272	56,018	2 053	1 654	318	17	2 070	407	1 663	1 766
FoSpS	full time	1 395	1 110	359	32,342	343	138	3	1	344	11	333	277
	combined	337	213	130	61,033	121	29	1	0	121	2	119	111
	Total	1 732	1 323	489	36,961	464	167	4	1	465	13	452	388
FoEA	full time	4 238	4 050	2 840	70,123	856	777	0	8	864	9	855	600
	combined	1 839	1 706	1 102	64,596	556	309	18	1	557	0	557	540
	Total	6 077	5 756	3 942	68,485	1 412	1 086	18	9	1 421	9	1 412	1 140
MU	full time	33 895	30 649	15 861	51,75	9 936	5 559	840	36	9 972	1 411	8 561	6 937
	combined	9 864	8 731	4 265	48,849	2 497	1 563	71	21	2 518	59	2 459	2 337
	Total	43 559	39 180	19 926	50,858	12 283	7 122	911	57	12 340	1 470	10 870	9 274
2002/2003		37 609	30 765	15 953	51,85	10 981	4 429	605	51	11 032	1 972	9 060	7 625
Increase		15,82	27,35	24,90	-1,91	11,86	60,80	50,58	11,76	11,86	-25,46	19,98	21,63

Tab. 19 – Admissions proceedings in 2003/2004

Groups of disciplines	Groups of disciplines codes	Number of				
		applications submitted ¹⁾	applicants ²⁾	applications approved ³⁾	applicants admitted ⁴⁾	applicants matriculated ⁵⁾
Total	11 – 82	43 559	38 600	12 340	10 990	9 274
Natural sciences	11 through 18	5 513	5 008	2 595	2 400	1 516
Technical sciences	21 through 39					
Agricultural, forestry and veterinary sciences	41 through 43					
Health care, medical and pharmaceutical sciences	51 through 53	3 592	2 981	1 114	888	697
Social sciences and services	61, 65, 67, 71–74	11 409	9 695	3 540	3 056	2 720
Economics,	62	6 077	5 405	1 421	1 240	1 140
Law, legislation, public administration	68	6 804	6 432	1 011	984	833
Pedagogy, teaching profession and social care	75	6 788	6 014	2 129	1 910	1 834
Psychology and related disciplines	77	2 697	2 396	225	216	202
Culture and the arts	81,82	679	669	305	296	332

1) Total number of applications received

2) The number of applicants for study. The total number of individuals applying for study; individual groups of disciplines include multiple applications.

3) The number of applications approved.

4) The number of individuals admitted for study. The total number of individuals; groups of disciplines include individuals admitted to two or more programmes.

5) The number of applicants who matriculated to study at MU

Tab. 20 – Degree programmes and branches at MU

Groups of disciplines	Core discipline codes	Degree programmes/disciplines								Degree prog./disciplines, total	
		Bc.		Mgr.		Follow-up Master's		Ph.D.			
Natural sciences	11 through 18	16	59	8	31	14	58	8	39	46	187
Technical sciences	21 through 39										
Agricultural, forestry and veterinary sciences	41 through 43										
Health care, medical and pharmaceutical sciences	51 through 53	3	7	3	3	1	2	2	23	9	35
Social sciences and services	61, 65, 67, 71–74	17	59	7	33	17	48	7	32	48	172
Economics	62	3	9	3	7	3	7	3	4	12	27
Law, legal and public administration activities	68	1	7	1	1	0	0	1	14	3	22
Pedagogy, teaching profession and social care	75	5	34	6	59	7	61	4	5	22	159
Psychology and related disciplines	77	2	2	1	1	2	2	2	8	7	13
Culture and the arts	81, 82	1	8	1	5	1	6	1	4	4	23
Total	11 through 82	48	185	30	140	45	184	28	129	151	638

Tab. 21 – Study programmes of life-long learning at MU

Groups of disciplines	Core discipline codes	Life-long learning programmes within accredited study programmes		Others	Total
		Free	paid for		
Natural sciences	11 through 18			11	11
Technical sciences	21 through 39				
Agricultural, forestry and veterinary sciences	41 through 43				
Health care, medical and pharmaceutical sciences	51 through 53		10		10
Social sciences and services	61, 65, 67, 71–74		6	16	22
Economics	62			14	14
Law, legal and public administration activities	68		5		5
Pedagogy, teaching profession and social care	75			58	58
Psychology and related disciplines	77		1		1
Culture and the arts	81, 82			1	1
Total	11 through 82		22	100	122

STUDENT SERVICES AND PUBLISHING ACTIVITIES

1. ACCOMMODATION

Student accommodation is one of the most important MU supplementary activities that create a social base for its students. MU therefore pays a lot of attention to student accommodation issues, continuing to extend accommodation

possibilities for its students in its own buildings as well as helping them arrange accommodation through other sources. In 2003, the Halls of Residence Administration provided accommodation for students in the following buildings:

1. 1. MU halls of residence

Hall of residence	Address	Beds available at 23.09.2003
	Vinařská 5, 603 00 Brno	1 171
Tvrdého	Tvrdého 5/7, 602 00 Brno	356
Kounicova	Kounicova 50, 602 00 Brno	596
Mánesova	Mánesova 12c, 612 00 Brno	347
Klácelova	Klácelova 2, 602 00 Brno	313
nám. Míru	nám. Míru 4, 602 00 Brno	245
Veveří	Veveří 29, 602 00 Brno	70
bří Žůrků	bří Žůrků 5, 617 00 Brno	477
Sladkého	Sladkého 13, 617 00 Brno	432
Lomená	Lomená 48, 617 00 Brno	168
Total		4 175
Brno University of Technology		170
Total		4 345

In autumn 2002, the accommodation allocation system for the academic year 2003/2004 was changed. After long discussions with students, MU decided to use its own capacities to accommodate students who matriculate for the first time in its full-time bachelor's, follow-up master's and master's programmes of study. These students are to be provided with accommodation based on the basic criterion of the distance they have to travel from their place of residence to Brno, and attention will also be paid to social aspects (severe disabilities, lower income families, orphans). MU also decided to provide accommodation to its existing students with serious physical disabilities (holders of ID cards for the disabled), orphans with both parents dead. MU also offered accommodation to students to whom the so-called „faculty reserved beds“ had been allocated by the decision of individual faculties. Allocation of beds to other MU students will be subject to criteria already in effect for long time (distance of commuting and social aspects), and a new one, namely that of academic performance (no accommodation at halls of residence for students whose academic performance is below the performance of 50% of students of their study programme). All beds still unoccupied beds after the initial allocation to first year students and those made available by Brno University of Technology were then allocated to students in the second or higher years at MU. The

above criteria without any major changes will also be used in managing student accommodation in the academic year 2004/2005.

At 01.10. 2003, 7,081 applications for accommodation in the halls of residence had been registered. A total of 2,569 beds were allocated to students in their first year at the university, of which 2,381 students took residence. The total number of students that were provided accommodation was 4,136. Unoccupied beds were allocated continuously based on updated waiting list of students applying for accommodation in halls or residence.

As of 01.12.2003, a total of 7,393 applications had been submitted through the IS MU from the beginning of the academic year 2003/2004. A hundred and seventy of the students were accommodated at BUT, and 225 applications were withdrawn. MU halls of residence provided accommodation to 4,161 students. The remaining 24 beds were reserved for students from abroad coming under study programmes of international departments of their faculties. Available beds were continuously allocated. Although 2,847 applicants were given accommodation at halls of residence, only 30 of them were still interested when asked again on 01.12.2003.

1. 2. Number of applications and of students provided accommodation at 01.12.2003 according to MU faculties

Faculty	Applications, total	Provided with accommodation	Of the total of students provided with accommodation		
			<i>international students</i>	<i>doctorands</i>	<i>freshmen</i>
FoEA	702	411	7	40	185
FoA	1 572	896	81	53	573
FoI	697	388	3	16	224
FoSpS	197	147	1	3	96
SoSS	432	243	33	27	148
FoM	1 040	549	45	32	328
FoE	617	329	1	18	224
FoL	1 016	536	13	9	283
FoS	1 040	594	6	196	286
Others	80	58	58		
Total	7 393	4 151	248	394	2 347

1. 3. Use of accommodation capacities

	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04
Design capacity	3 432	3 543	3 567	3 789	3 789	3 789	3 789
Beds available	4 061	4 034	4 077	4 317	4 298	4 287	4 287
Beds for students	3 871	3 919	4 043	4 211	4 192	4 174	4 175
Accommodation applications	5 913	5 948	5 961	6 330	7 518	7 863	7 393
MU students in full-time degree programmes, total	12 576	13 570	14 191	14 973	16 135	24 451	27 690
Beds for guests at MU	16	20	34	106	106	106	106
SOCRATES		80	80	80	80	80	80

1. 4. Beds available at MU halls of residence between 1993 and 2004

Year	MU	Brno University of Technology	ČKSD	Total	Index
1993/1994	3 286	90		3 376	100,0
1994/1995	3 141	300	20 + 26 MA	3 487	103,3
1995/1996	3 167	300	20	3 487	103,3
1996/1997	3 578	200	20	3 798	112,5
1997/1998	3 871	200		4 071	120,6
1998/1999	4 019			4 019	119,0
1999/2000	3 981	250		4 231	125,3
2000/2001	4 211	160		4 371	129,5
2001/2002	4 192	170		4 362	129,2
2002/2003	4 174	170	52	4 396	130,0
2003/2004	4 175	170		4 345	128,7

ČKSD – Czech Convent of Dominican Sisters

2. SERVICES OF REFECTORIES

Halls of Residence and Refectories Administration provided meals for students and staff at three refectories, one food counter (at Klácelova Street) and cafeterias where hot meals and made-to-order dishes were served (Faculty of Informatics, Faculty of Medicine, and the Kounicova and Vinařská halls of residence). In September 2003, a reconstructed cafeteria at the Faculty of Law was opened for operation: the cafeteria serves meals with or without advance orders, and it is open the whole day.

The Halls of Residence and Refectories Administration has extended its services by serving dishes

requiring no advance orders, and allowing clients to transfer money to their charge cards at the cash desk of the meals counter. For the summer season, meals counters in three of the refectories were re-arranged to allow for faster operation and more varied combinations of the food selected.

In addition to serving meals to students and staff, refectories also provide party catering services for important school events, and even for other companies. Their hot and buffet dishes meet very high professional standards.

2. 1. Numbers of meals served at MU refectories including party catering

	1997	1998	1999	2000	2001	2002	2003
Mor. nám.	716 312 (47 %)	532 943 (48 %)	474 966 (49 %)	524 416 (50 %)	497 241 (51 %)	491 785 (51 %)	488 217 (52 %)
Veveří	463 833 (30 %)	361 885 (33 %)	266 626 (28 %)	214 265 (21 %)	258 383 (28 %)	216 312 (23 %)	155 516 (17 %)
Vinařská	349 177 (23 %)	212 620 (19 %)	216 658 (23 %)	300 706 (29 %)	212 182 (21 %)	250 433 (26 %)	300 401 (32 %)
Celkem	1 529 322	1 107 448	958 260	1 039 387	967 806	958 530	944 134

4. COUNSELLING

The Counselling Centre of Masaryk University (CC MU) provides services in study, careers, legal and psychological issues. The Centre offers its services to all MU undergraduates, and has also been contacted by MU employees and secondary school students interested in study at MU, and MU graduates. The Centre may be contacted by phone, e-mail, or visited in person. Some students have come on the recommendation of their fellow students. For presentation purposes, the Centre has opened a web page at <http://www.rect.muni.cz/pcentrum>.

3. 1. Study and careers guidance office

A department designed to mediate contacts with the outside world. Its principal mission is to provide information on possibilities specific qualifications have on the labour market, study options offered by the University, to make Personal Profile Analyses, organize contact meetings (Job Fairs), hold lectures and undertake questionnaire surveys.

The centre organized lectures on practical issues of taking employment, employment contract requisites, success in interviews, correct CV writing, and adequate methods of contacting potential employers. In cooperation with the Institute of Computer technologies and the student association Cesta pro studenty (Road for students), a series of lectures on information systems for MU students was also organized. These group activities were attended by 775 students. In cooperation with the

attendance office of the Rector's Office, the presentation of the Gaudeamus Fair of post-secondary education was prepared.

A fair of job opportunities For Employment was organized by the Centre in cooperation with student associations Tribun and ELSA. The event was attended by 31 undertakings and 2,700 students. Together with the event, a series of lectures was organized: Current situation on the labour market, How to be successful at a job interview, What employers expect of university graduates, On MBA programmes, Using employment agencies when looking for a job, The role of the Internet in looking for a job, and Experience from a placement in Brussels. A conference on issues related to the entry of the CR into the EU was held. A catalogue with job ads by attending undertakings was published. The event gave the students a chance to meet their potential future employers, have a dry run of a job interview before they have a real one, have a glimpse of the environment in individual undertakings, and learn about requirements that labour market placed on graduates.

Sociological survey:

"MU graduates of 2001 and 2002" surveys

The fourth sociological survey organized by the Centre among MU graduates of 2001 and 2002 was primarily intended to map their position on the labour market. A total of 1,731 graduates of full-time master's degree study programmes from the nine faculties of Masaryk University, i.e. 44 % of graduates

of 2001 and 2002, participated in the survey organized with the support from the Higher Education Development Fund..

The majority of the graduates (74 %) were either gainfully employed or were in business, a relatively large part of them (14 %) were further increasing their qualification. The rest of them were not gainfully employed for various reasons, e.g. were doing military service or its civilian counterpart, were on a maternity leave, or on placements abroad. Only 1.6 % of graduates were genuinely unemployed, which is about six times less than the national unemployment rate.

A total of 58 % of graduates got their job either before that graduated or immediately afterwards, and 72 % of graduates got a job within two months of graduating. About a quarter of graduates considered the process of finding a job as "difficult", while 68 % of graduates thought it was "relatively easy" or "very easy". When looking for a job, a majority of

graduates (65 %) relied on themselves only, 18 % received an offer without having to look for a job, and 12 % were helped by their parents or friends. It is encouraging to note that three quarters of MU graduates are employed in the sector for which they qualified, and three quarters of them are in positions where specialist university education is required. A frequently discussed question in this country is the migration of graduates of faculties of education to areas of employment outside education. At present, 76 % of MU "teaching profession" graduates work in schools (compared with 81 % in a survey of classes of 1997 – 2000), and it is a question for an academic debate whether it is "many" or "few". When looking for employment, fresh graduates preferred positions offering with interesting work, possibility to use knowledge they had gained, and where they could realize and further develop their potential.

Monthly salaries of MU graduates and the perception they have of their income

There are differences in income of graduates of different faculties, both in the starting salary and the current salary.

Significant differences also exist between the sexes.

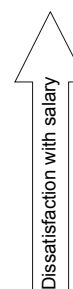
Faculty	Starting salary before tax (CZK)	Current salary before tax (CZK)	Average increase in salary per month of practical experience at work (CZK)
Faculty of Informatics (FoI)	18 969	27 123	480
Faculty of Economics and Administration (FoEA)	15 110	22 004	502
Faculty of Law (FoL)	13 064	18 108	363
Inter-faculty study (IFS)	12 929	17 570	321
Masaryk University, total	12 300	16 479	273
Faculty of Medicine (FoM)	10 425	15 938	293
School of Social Studies (SoSS)	12 303	14 853	175
Faculty of Education (FoE)	12 023	14 735	173
Faculty of Science (FoS)	11 251	13 979	205
Faculty of Arts (FoA)	10 565	13 839	191

On average, the starting salary of women is 82 % of the starting salary of men, and 76 % of the men's salary after one or two years of employment, which roughly corresponds with the national data on sex discrimination in salaries. Both starting and later salaries are basically influenced by the same factors. They are: sex, type of undertaking (organisation) offering the job, sector of economy, type of requirements for the position in question, and the size and geographical location of the place of residence. Men (information science specialists and economists) who work for a foreign company or are in business,

provide services for companies or financial institutions abroad, in Prague or some other big cities earn the highest income.

Satisfaction with their current average salary and average per hour rates was expressed most frequently by economists and information science specialists, the least satisfied with their salaries are young teachers and physicians who on average earn only 75 CZK per hour. Graduates of the Faculties of Education and Arts had a very short working week (38.2 and 38.5 hours, respectively), while young physicians had to work very long hours (50.7 hours on average).

		The number of graduates (%) who consider their current average salary "very low" or "rather low"	mean hourly pay
1.	FoM	83,5 %	75
2.	FoE	72,7 %	95
3.	SoSS	64,4 %	102
4.	FoS	63,0 %	82
5.	FoA	57,6 %	89
6.	FoL	54,0 %	100
7.	IFS	51,7 %	108
8.	FoI	44,4 %	153
9.	FoEA	40,0 %	118



Higher salaries are not the only attraction that a job abroad has to offer

About a third of MU graduates (32 %) is interested in finding a job abroad, and 8 of 10 of them are going to take steps to get such a job. Particularly interested in jobs abroad are graduates currently employed outside their field of study, whose current position at work does not correspond to their original expectations, those who are not satisfied with their jobs and earn very little money, people with good knowledge of languages, from big towns, single, and males.

From the motivations point of view, it is interesting to note that higher income is not the only factor that makes jobs abroad so attractive for young university graduates: the higher income aspect is only slightly ahead of other reasons, which include thirst for learning, adventure, development of language skills, experience abroad, etc.

Motivation for working abroad	MU
Higher salary only	4,3
Higher salary is above other reasons	31,7
Salary and other reasons are equal	29,7
other reasons are above salary	20,1
other reasons only	13,3
unsure, other answers	0,9
Total	100,0

The most favourite countries are the UK, Germany, the USA, France, Austria and Ireland. The period of the planned stay abroad is between 2 and 3 years.

All in all, the above findings can be considered as positive because employability of MU graduates has been growing in spite of increasing unemployment rates in the Czech Republic, which have got close to 10 % this year.

3. 2. Psychological Counselling Centre

The team of psychologists at the Psychological Counselling Centre provided its services to MU students, people interested in the study at MU and MU staff, and held sessions with individual clients. Their work was assessed at regular meetings.

The issues clients wanted to discuss were related to study, private life and relationships. After the "counselling contract" is made, such classification usually loses its significance because sessions with clients acquire the character of comprehensive therapeutic and counselling care, the nature of which may change in time. The Centre's psychologists met each client eight times a year on average, and held a total of 358 counselling sessions. Cases exceeding the scope of the Psychological Counselling Centre's activities, e.g. incipient

mental disorders or life-threatening situations, were referred to clinics with which agreements about preferential reception have been signed.

The fact that in its Psychological Counselling Centre MU offers a safe haven where students can speak about their problems has been given a very positive reception by, e.g., first-year students with adaptation problems, also because the Centre is a part of the university. Older students seek services of the Centre when they feel they need to consult decisions pivotal for their life with a psychologist.

Personal data of the clients are protected in accordance with the effective Czech law. For its clients, the Psychological Counselling Centre uses its own internal information system operating under special conditions emphasizing the protection of privacy of its clients.

3. 3. Legal counselling

The questions dealt with included the status of students in labour law issues, tax obligations of gainfully-employed students (work, study, taxes) social security issues (health and old-age pension insurance), execution of contracts and state social benefits. A meeting of a group of 97 participants was organized in this field of counselling.

Number of sessions and their structure:

	Individual sessions	Group sessions	Total
Psychological counselling	358	–	358
Study and careers guidance	653	875	1 528
Legal counselling	44	97	141
Total	1 055	972	2 027

Results of research undertaken at the Counselling Centre of MU show that university study gets more and more demanding, and various stress factors, particularly of adaptation character. Contact with students requiring extra care was also maintained during the summer vacation.

In the next calendar year, the Centre will celebrate its 10th anniversary at MU, and a meeting of all the people who had worked there over the 10-year period was held at the beginning of the 2003-2004 school year to mark the occasion. A national conference on "Psychological counselling in Czech universities" is planned for 2004.

5. CARE FOR DISABLED STUDENTS

As a public school of tertiary education, MU has a significant obligation to create conditions facilitating study of disabled students. To meet those obligations, a centre for assistance to students with special needs was set up in 2000 as part of the student services department. Activities of the Centre are carried out in cooperation with the Faculty of Informatics MU, which provides rooms and technical equipment for the Centre's operation.

Results of the Centre's work in individual areas are summarized in sections 4.1 to 4.3 of this report. On a general level of the organisation, the following principal results have been achieved:

1. The 2002 pilot transformation project of the Ministry of Education helped to extend activities of the Centre from the visual impairment to sensory disabilities generally (and the name of the Centre was changed accordingly).
2. The Centre's comprehensive web (www.teiresias.muni.cz) and wap (wap.sluzba.cz/teiresias) presentations were completed to serve the needs of the disabled.
3. On the initiative of the Centre, Rector issued a general directive 4/03 on the study of people with special needs, in which the extent of special needs that MU promises to support is clearly defined (upper limits of individual study periods) and the rights to get tutors, instructors, interpreters and technical assistance during study are spelled out.

The Centre's activities in 2004 were financed mainly from specific funds allocated under the transformation and development projects of the Ministry of Education.

4. 1. Care for visually impaired students

The Centre's main tasks are in the following areas:

- a) methodological and legal: the Centre cooperates with headmasters of secondary schools, attendance offices of faculties and teachers to provide reliable information about prospects and possibilities in individual fields of study, provides technical support to entrance examinations, creates conditions for a proper engagement of students in study programmes, provides students with access to

written materials, and oversees the inclusion of special provisions necessary for the visually impaired students into the internal MU regulations,

- b) spatial orientation: the centre instructs students about access routes, provides for the students' accompaniment, and proposes changes to the layout of buildings and the surrounding areas to make them also useable by partially sighted students;
- c) the library and digitization services: the Centre systematically builds digital, tactile and hybrid library of study materials to provide a comprehensive coverage of entire disciplines, provides for haptic publications of digitized study materials, materials for written exams, certificates and official correspondence;
- d) haptic and acoustic information: the Centre provides visually impaired students with the software necessary for study purposes.

4. 1. 1. Full-time and combined study of the visually impaired students

Results in brief:

- an increase in the number of full-time visually impaired students at MU from 25 to 38
- 15 obligatory courses were organized as tutorial semester courses (one-to-one seminars)
- increasing the seating capacity of the university study room for the blind from 9 to 12 places (one of which permanently reserved for the visually impaired)
- new access to 570 items of study literature for visually impaired students (70 printed, 590 electronically, 5 audio, 5 hybrid)
- providing escort and assistance for the blind at one educational trip abroad (Salonica)
- providing escort and assistance for the blind at a summer training course for the blind (hiking in mountains, ascent to Mt Olympus)
- presentation of the Centre at 2 international conferences (Rome, Zollikofen).

Structure of the group of students in care of the Assistance Centre, by study branch

Faculty	Branch of study	Situation at 1.1.2003		Situation at 1.1.2004		Expected situation at 1. 1. 2005	
		Visually impaired students		Visually impaired students		Visually impaired students	
		branch	faculty	branch	faculty	Branch	faculty
Faculty of Informatics	informatics	1	3	1	5	1	7
	applied info.'cs	2		4		6	
School of Social Studies	psychology	3	3	5	5	7	7
	social work	3		5		7	
Faculty of Arts	Czech studies	1	6	1	8	2	13
	classical languages	1		2		2	
	psychology	3		4		6	
	History	2		2		2	
	Russian studies	1		1		1	
	English studies	0		1		2	
Faculty of Education	spec. pedagogy	7	10	10	14	10	13
	Czech studies	1		1		1	
	English studies	2		2		2	
	German studies	2		2		2	
	music education	0		1		1	
	Civics	1		1		1	
Faculty of Economics and Administration	corporate economics	0	0	1	1	3	3
Faculty of Law	Law	3	3	5	5	7	7
MU, total		25		38		50	

4. 1. 2. Life-long education for the visually impaired

The Centre also organizes life-long education for visually impaired students as well as public at large. In 2003, the life-long education programmes focused primarily on:

A. Non-academic programmes designed mainly for people from higher age brackets and aimed at improving their chances in their career social roles, with a specific emphasis on:

1. Information technologies for the visually impaired
2. Foreign languages and literature for the visually impaired

3. Introduction to university mathematics for the visually impaired

B. Academic programmes for applicants for the study at a university that contribute to equalizing the conditions for the visually impaired in the admission proceedings at schools of higher education, with a special emphasis on:

1. Information technologies for the visually impaired
2. Foreign languages and literature for the visually impaired

Structure of the group assisted by the Centre

Type	Branches of study	Situation at 1.1.2003	Situation at 1.1.2004	Expected situation at 1.1.2005
		Number of participants	Number of participants	Number of participants
Non-academic	Information technologies for the visually impaired (A)	5	6	7
	Foreign languages and literature for the visually impaired (A)	49	52	55
	Introduction to university mathematics for the visually impaired	4	4	6
Academic	Information technologies for the visually impaired (B)	3	3	5
	Foreign languages and literature for the visually impaired (B)	9	11	12
MU, total		70	76	85

Results in brief:

- increase in the number of participants from 70 to 76 (an increment lower than expected on the basis of 2002 because the maximum capacity limits of premises provided by the FOL had been reached)
- introduction of hybrid books technology to classes
- organisation of the Czech participation in the International Computer camp held by the Linz University under the auspices of the EU in Zollikofen (Switzerland).

The Centre also participated in organizing or co-organizing a number of associated activities:

- ❖ life-long education project for state administration employees in communication with people who have special sensory needs
- ❖ facilitating the learning of mathematics for students of secondary schools and schools of higher education
- ❖ handicap-free school leaving exams

4. 2. Care for students with impaired hearing

Activities of the Assistance Centre for students with impaired hearing are organized in cooperation with the Special Pedagogy Department of the faculty of Education MU, which provides part of interpreting services, and Labyrinth Brno, the

Association for Integrated Education, which organizes cooperation with other institutions and special-interest groups of people with defective hearing.

The Centre's main tasks are in the following areas:

- a) methodological and legal: the Centre cooperates with headmasters of secondary schools, attendance offices of faculties and teachers to provide reliable information about prospects and possibilities in individual fields of study, provides technical support to entrance examinations;
- b) overall orientation: the Centre explains the students (using sign, oral and total communication means) the organisation of study at the university, the study regulations, use of the MU information system, etc.;
- c) the library and digitization services: the Centre systematically builds digital, tactile and hybrid library of study materials to provide a comprehensive coverage of entire disciplines in the form of e-learning for students with hearing impairment;
- d) sign language and interpreting: The Centre provides sign language interpreting for students with impaired hearing, and it supports the development of technical terms for the Czech sign language

Structure of the group assisted by the Centre

Faculty	Branches of study	Situation at 1.1.2003		Situation at 1.1.2004		Expected situation at 1.1.2005	
		Students with impaired hearing		Students with impaired hearing		Students with impaired hearing	
		branch	faculty	branch	faculty	branch	faculty
Faculty of Informatics	applied informatics	0	0	2	2	4	4
School of Social Studies	Sociology	1	1	1	1	0	1
	social work	0		0		1	
Faculty of science	Geology	1	1	1	2	1	2
	applied biology	0		1		1	
Faculty of Education	spec. pedagogy	2	2	3	4	5	6
	Czech studies	0		1		1	
	arts and crafts	1		1		1	
Faculty of Medicine	theory of nutrition	0	0	1	1	1	1
Faculty of Law	Law and jurisprudence	0	0	1	1	1	1
MU, total		4		11		15	

Results in brief:

- increase in the number of students with impaired hearing from 4 to 11
- introduction of sign language interpreting to classes
- introduction of e-learning to foreign language classes for students with impaired hearing

The Centre also participated in organizing or co-organizing a number of associated activities:

- ❖ life-long education project for state administration employees in communication with people who have special sensory needs
- ❖ development of technical terms for the Czech sign language.

4. 3. Care for students with other disabilities

MU is also attended by students with physical disabilities who require special personal assistance, or extra costs for alterations in buildings. The care of those students was organized by the faculties where the students attended classes, by the Halls of Residence and Refectories Administration, and was supported by the Educational Policies Fund of the Ministry of Education. As part of its building and maintenance activities and care of the campus, MU endeavours to create technical conditions for the study of the disabled.

5. SCHOLARSHIPS

Scholarships offered

One of the areas important for the setting up of favourable social conditions at a university is the financial assistance to students that helps them finance their studies and cover their study-related expenses.

Scholarships in 2003 were awarded in accordance with the scholarship award rules of MU and its individual faculties. Based on the award rules, scholarships are paid by faculties to full-time students of all accredited degree programmes. MU as an entity does not provide any scholarships because it has no students, and it may only give cash prizes as awards to the best students of individual faculties.

It is important to bear in mind that significant financial resources are needed for scholarships because these are only partly financed by state subsidies, and the university and its

individual faculties must provide the rest of the necessary funds. Internal resources for the funding of scholarships are limited and the additional source of income for the scholarship fund, i.e. tuition fees to be collected pursuant to Article 58 Par. 7 of the Schools of Higher Education Act, are not forthcoming.

In 2003, the following scholarships were paid at MU and individual faculties,:

- merit scholarships
- for creative achievement,
- for social needs,
- special scholarships,
- doctoral scholarships,
- scholarships to international students,
- scholarships to students abroad.

A purpose-specific subsidy from the state budget was received for scholarships under e) through f). For the total volume of scholarships paid, see Tab. 1.

SCHOLARSHIP PAYMENTS IN 2003

	academic merit	creative achievement	social needs	special scholarships	for int.students	doctoral scholarships	scholarships paid abroad	total
from subsidies to educational activities	956 474	585 550	50 000	2 834 918	122 300	93 650	211 869	4 854 761
from subsidies to doctoral degree programmes (62.7 million CZK allocated)	0	0	0	687 504	0	61 869 347	0	62 556 851
from international students subsidies	0	0	0	0	2 129 500	60 000	0	2 189 500
from MoE subsidies for activities abroad (SOCRATES, AKTION, CEEPUS)	0	0	0	159 787	81 520	40 160	20 296 579	20 578 046
Higher Education Development Fund	0	1 030 000	0	666 350	0	0	0	1 696 350
from other MoE subsidies for instruction	18 180	214 600	0	1 524 467	0	0	2 751 300	4 508 547
SOCRATES from the EU	0	197 314	0	0	0	0	0	197 314
from other funds for education activities	0	186 601	0	2 162 598	460 335	31 250	3 317 144	6 157 928
from specific research subsidies	0	139 000	0	442 797	0	0	0	581 797
from other R&D subsidies of the MoE	0	2 355 638	0	206 960	0	0	0	
subsidies, other ministries, excl. R&D	0	2 276 490	0	871 298	0	0	0	3 147 788
from other R&D funding	0	1 307 806	0	125 400	0	0	0	1 433 206
from the scholarships fund	257 700	67 400	5 000	918 372	0	0	0	1 248 472
from commercial activities	0	341 038	0	74 500	0	0	0	415 538
Total	1 232 354	8 701 437	55 000	10 674 951	2 793 655	62 094 407	26 576 892	112 128 696

Scholarships were given either as one-off or repeated payments. The larger amount of money allocated to doctoral scholarships compared with the relatively small number of doctoral programme students is due to the fact that doctoral scholarships are obligatory payments, they are covered by a purpose-specific subsidy from the Ministry of Education, and the amounts paid per scholarship are substantially bigger than in other types of scholarships..

When tuition fees are collected consistently and in full, the scholarship fund can be expected to grow, and that will create broader opportunities for the provision of scholarships. The scope for the provision of scholarships may also be extended by using previously untapped resources that might be used for the purpose, which mainly includes extraordinary purpose-specific funds from the EU, grants and commercial activities.

6. PUBLISHING

The publishing licence is held by Masaryk University. Under that licence on the basis of editorial plans of individual faculties and the MU Editorial Board, the MU Press published 311 non-periodical publications inclusive of reprints, of which 54.3 % were textbooks and lecture notes (169) and 45.7 % were scientific publications and proceedings (142). These figures rank the MU Press among the most prolific publishing centres not at schools of higher education but among Czech publishers generally.

In 2003, university publishing activities received a 900,000 CZK from the MoE subsidy. The sum was used to cover the costs of publishing and printing university periodicals (Universitas – MU Brno Review 1 – 4/2003 and University Papers 1 – 3/2003), and to cover some of the costs of student journals published by student associations active at MU (Medic on line, Halas, Netřesk, Octopus, Sacra). On the basis of the decision of the Editorial Board of MU, publication costs of some works by faculty staff were co-financed, especially those with a

wider readership beyond the author's faculty, e.g. the periodically published History of disciplines at the FoS MU, Social Studies (a collection of articles from the SoSS), Creation and reception and the monograph Philosophic hermeneutics (both FoE), and also of the promotional CD-ROM of the FoSpS in English. Support was also given to the English version of the FoS yearbook, and to scientific journals Scripta medica and Journal for Jurisprudence and Legal Practice. The same source was used to finance the Press Centre's participation in the international exhibition World of Books 2003, where all Czech schools of higher education jointly presented results of their publishing activities, and in the World of the Book Trade Fair in Brno, where publishing centres of

Brno schools of higher education had a joint exposition of their production. The subsidy is also used to pay for the publishing of annual editorial plans in the New Books periodical. Subsidies were utilized in accordance with decisions of the MU Editorial Board.

Besides scientific and technical boards of editors, the MU Press also has its own graphic arts studio. This technological layout makes it possible to flexibly respond to requirements and publish books and especially lecture notes before the semester or exam periods start, proceedings before conferences, or other materials for fixed-date events. The centre also prints accidental publications for MU.

Numbers and types of publications printed between 2001 and 2003

	2001			2002			2003		
Faculty	Lecture notes	Research publ's	Total	Lecture notes	Research publ's	Total	Lecture notes	Research publ's	Total
FoM	21	9	30	25	11	36	21	9	30
FoA	22	52	74	42	34	76	31	34	65
FoS	27	21	48	33	26	59	30	23	53
FoL	27	6	33	33	11	44	22	12	34
FoE	34	19	53	32	11	43	31	11	42
FoEA	29	15	44	15	20	35	30	16	46
FoI	2	–	2	1	2	3	1	3	4
SoSS	5	2	7	4	3	7	3	6	9
FoSpS	–	–	–	1	–	1	–	2	2
RO	1	21	22	10	31	41	–	26	26
Total	168	145	313	196	149	345	169	142	311

MANAGEMENT AND INTERNAL ADMINISTRATION

The chapter on management and internal administration in the annual report gives an insight into the university activities from the economic point of view. The principal areas of activity in management and internal administration in 2003 were:

- to make progress in the Programme of MU Development – Reconstructions Programme 233 333 and Construction of the Bohunice University Campus Programme 233 332
- to set up conditions for the development of multiple-resource financing built mainly around project financing
- to set up parameters of the organisational change at the Rector's department of MU designed to build transparent structures with process-defined activities
- to start a process leading to a comprehensive consolidation of internal regulations and standards at MU with the objective of updating and harmonizing the standards with the needs and with the legislation (particularly in the areas of assets management, technical characteristics, development of contract research, protection of intellectual property, management of international projects and MU projects, etc.)
- to implement organisational and institutional changes in some university institutions, represented primarily by the transformation of the Centre for Further Education into the Training and Consulting Centre with the objective of invigorating life-long education over the entire MU
- to start systematic integration of the economic information system
- to set up a framework for the management of human resources development and internal training programmes

The total non-investment revenues of MU in 2003 were 1,910 million CZK, an increase of 8.6 % compared with 2002. In 2003, MU reported account income from operations at 53 million CZK, which represents 2.8 % of its total income. A very positive aspect in MU evaluation is the fact that all its faculties and institutions operated with a positive balance.

Non-investment income of the university was boosted by an 11.6 % increase in the numbers of financed students (from 24,451 in 2002 to 27,293 in 2003), which played a major role in the 15.2 % annual increase in the normative subsidy for instruction activities (index A).

Because, however, of a marked annual increase in the number of students (including students in life-long education programmes) from 27,292 to 37,441 (i.e. by 37.2 %), the per student indices showed a decrease in 2003 (Tab. 3).

There was an increase in the allocations for HEDF projects (by 43 % if the 2002 allocation through programme financing is included), and a decrease in subsidies for transformation and development projects from the Minister's Fund.

Non-investment subsidies for purpose-specific R&D decreased by 25 % compared with 2002, but that was caused by a change in the method of Cesnet services financing. While in 2002, the 34 million CZK subsidy for Cesnet services was provided to MU under the non-specific research heading (27 % of the total non-specific R&D appropriation), the 2003 Cesnet services subsidy was allocated under the educational services heading as a result of a change in the R&D legislation and a newly defined uses of specific research subsidies (index M).

Non-investment subsidies for long-term research programmes increased by 12 %, and purpose-specific non-investment R&D financing by 9 %. Non-investment subsidies for

accommodation and meals in 2003 were comparable with those in 2002, and made up 36.6 % of the total income of the Halls of Residence and Refectories Administration.

Normative subsidies for educational activities and specific research were 1,064 million CZK, i.e. 55.7 % of total income.

The value of the core and supplemental activities in 2003 was 333 million CZK. The former showed an annual increase of 1.1 % to 264 million CZK, the latter grew by 10.0 % to a total of 69 million CZK. The value of the core and supplemental activities in 2003 was 333 million, making up 17.4 % of the total (used) income.

The following parameters are also worth mention:

Non-investment R&D funds (normative and purpose-specific) in 2003 were 342 million CZK, i.e. 17.9 %. Income for educational activities (normative and purpose-specific) including subsidies projects (exclusive of R&D) was 1,180 million CZK, i.e. 61.8 %. The core and supplemental activities in 2003 made up the above-mentioned 17.4 % of total income.

It is interesting to note that foreign non-investment resources of 19 million CZK made 1 % of total income, of which 0.45 % was slated for educational purposes and the remaining 0.55 % for R&D. In view of total income for educational purposes and related projects, foreign resources for the funding of the same activity made 0.72 % of 1,180 million CZK, and 3.1 % of 342 million CZK for the funding of R&D.

An interesting index is the total payroll expenses from all resources to total income exclusive of social security and health insurance, which was 37.7 % (719,575 million CZK) in 2003. Of that amount, 35.6 % (679,083 million CZK exclusive of social security and health insurance) were salaries of full-time employees exclusive of contracts for work.

The average monthly salary of 2,572.9 MU employees was 20,583 CZK (12 months), an increase of 13.2 % compared with 2002. The average monthly salaries of teachers, R&D workers and administration staff and others were 25,301 CZK, 22,612 CZK and 16 206 CZK, respectively.

Social security and health insurance payments in 2003 were 241,542 million CZK, i.e. 12.6 %. That means that payroll expenses including social security and health insurance reached a total 961.089 million CZK, i.e. 50.3 %.

Moveable and immoveable property is an important indicator of the university's economic potential. An inventory of MU assets showed that MU administers a total of 3,941 million CZK worth of tangible (3,879 million CZK) and intangible (62 million CZK) assets, of which immoveable property accounts for 2,114 million CZK and moveable property for 1,728 million CZK. In 2003, a project of a comprehensive survey of technical characteristics of university structures was started, and its completion is planned in 2004.

An important part of MU activities is the implementation of the MU Development Programme 233 330. In 2003, the programme of reconstruction of existing MU buildings under the subprogramme 233 333 with a total investment of 250.334 million CZK was well under way. Besides a number of smaller projects, the subprogramme included the reconstruction of the buildings of the Faculty of Education (15.9 million CZK), Faculty of Law (11.4 million CZK), Faculty of Informatics (24.0 million CZK), Faculty of Arts (7.7 million CZK), Faculty of Sports Studies (19.5 million CZK), of the Lecturers' House at Grohova 11 (13.7 million CZK) and the training facility of the Centre for

Further Education (24.8 million CZK). At the same time, the first stage of reconstruction of the Faculty of Science campus at Kotlářská Str. was started (34.6 million CZK), which will continue with a major comprehensive reconstruction of the entire premises and the construction of the information centre in 2004 to 2006. The first stage of a reconstruction of the Faculty of Medicine building at 10, Joštova Street cost 25.9 million CZK in 2003. The building, whose complete reconstruction is budgeted at 250 million CZK, will be used by the School of Social Studies in the future.

A total of 48.9 million CZK of programme financing was used to purchase equipment (machines and instruments).

Preparatory work for the building of the Bohunice Campus under subprogramme 233 332 were underway in parallel with the reconstruction subprogramme work. The planning and the building permits for the first stage of the construction of the Integrated Laboratory of Biomedical Technologies (ILBIT) have been secured, and the public tender procedure for the civil engineering contractor was started. The reconstruction of the morphological centre (Morfo III) in Bohunice with a total budget of 170.2 million CZK was completed when 159.749 million CZK was invested in 2003. A total of 173.258 million CZK was invested under the subprogramme 233 332. Construction works at the site will start in 2004.

The total investments into the Programme of MU Development in 2003 reached 423.592 mil. CZK.

In 2003, the financial management of MU was subject to an official audit for the first time. The auditor's statement gave MU a "clean bill of health".

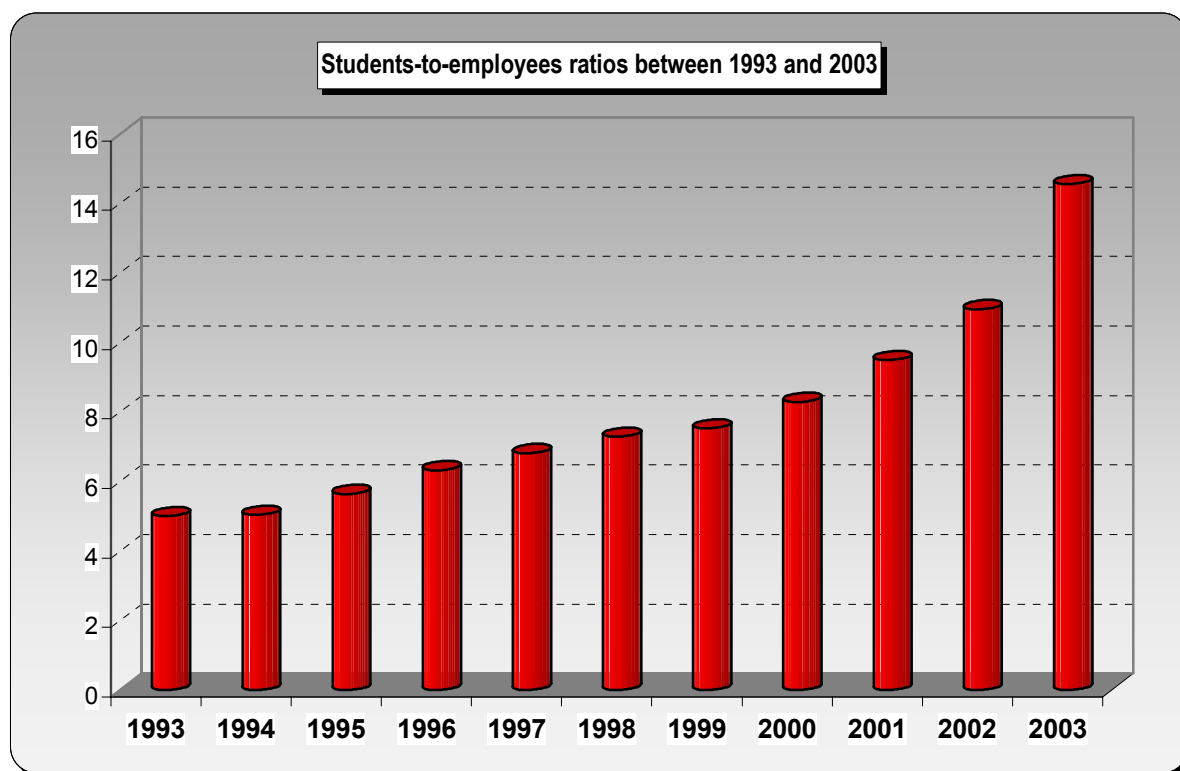
It should also be noted that in 2003, the first steps on the road to the establishment of conditions for the development of activities leading to multiple-resource financing of the

university were made. Besides normative resources of financing from subsidies, the university intends to increase income from projects, core and supplementary activities, life-long education programmes, etc. In this respect, very encouraging are opportunities offered by the entry of the Czech Republic into the EU. With this in mind, a reconstruction of the MU Rector's office was started in 2003 in parallel with the reconstruction of the Centre for Further Education with the objective of introducing a project-based system of management. Within the Rector's office structure, activities that will help co-ordinate projects at MU with the objective of obtaining income from different project frameworks in the CR and abroad were started. In this respect, much attention was paid to the management and protection of intellectual property of the university.

An extraordinary attention was paid to human resources management, the setting up of conditions propitious for their development, and for effective utilization of human resources and skills represented in the university, in accordance with the maxim that human resources are the university's greatest asset. The objective is to set up a system of effective and controlled investments into enhancing the people's skills, efficiency and performance. One of the tools for human resources management in this respect is a system of further education of workers. Funds allocated to human resources development are not considered as cost but as an investment into successful development of the university in all the fields of its activities. A concrete example is the launch of an extensive and comprehensive programme of foreign language training for MU staff that is a response to the process of internationalization, and especially the setting up of necessary prerequisites for the organisation and financing of internal training for MU employees, including the resources for the development of internal education programmes under the development project for 2004.

Tab. 1 – Students-to-employees ratios between 1993 and 2003

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Number of students	11 544	11 629	12 837	15 401	16 741	18 026	18 785	21 014	23 543	27 292	37 441
Number of employees	2 309	2 309	2 275	2 435	2 458	2 477	2 497	2 534	2 482	2 491,8	2 572,9
Students-to-employees	5,00	5,04	5,64	6,32	6,81	7,28	7,52	8,29	9,49	10,95	14,55

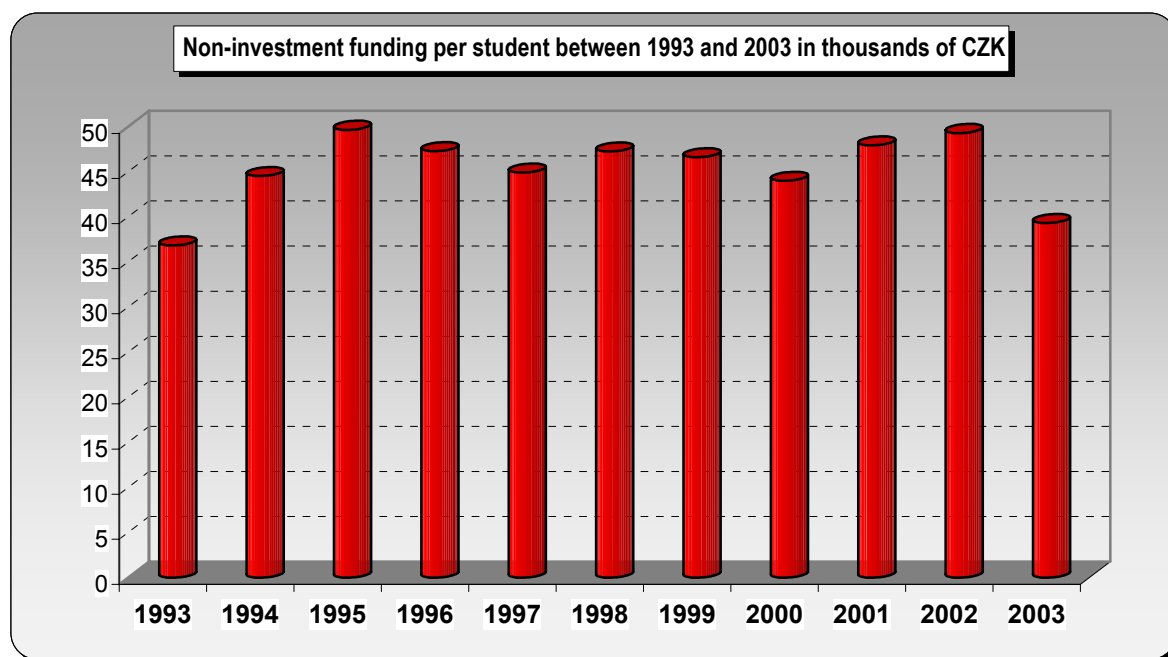


Tab. 2 – Staff and students – 2003 statistics

Faculty	staff			students in degree programmes				students, total			
	academic	others	total	number	stud. / acad.	stud. / others	stud. / total	number	stud. / acad.	stud. / others	stud. / total
FoM	265.45	208.5	473.95	2893	10.90	13.88	6.10	2 929	11.03	14.05	6.18
FoA	172.82	94.33	267.15	5802	33.57	61.51	21.72	7 177	41.53	76.08	26.87
FoL	70.94	48.49	119.43	3131	44.14	64.57	26.22	4 370	61.60	90.12	36.59
SoSS	55.22	54.09	109.31	2128	38.54	39.34	19.47	2 148	38.90	39.71	19.65
FoS	221.7	318.81	540.51	2974	13.41	9.33	5.50	2 974	13.41	9.33	5.50
FoI	45.74	57.59	103.33	1755	38.37	30.47	16.98	1 755	38.37	30.47	16.98
FoE	182.27	80.55	262.82	4820	26.44	59.84	18.34	5 852	32.11	72.65	22.27
FoSpS	53.72	28.51	82.23	935	17.41	32.80	11.37	971	18.08	34.06	11.81
FoEA	73.48	50.97	124.45	3252	44.26	63.80	26.13	3 776	51.39	74.08	30.34
Others	50.61	220.96	271.57	–	–	–	–	5 489	108.46	24.84	20.21
HoRRA	–	218.17	218.17	–	–	–	–	–	–	–	–
Total	1191.95	1380.97	2572.92	27690	23.23	20.05	10.76	37441	31.41	27.11	14.55

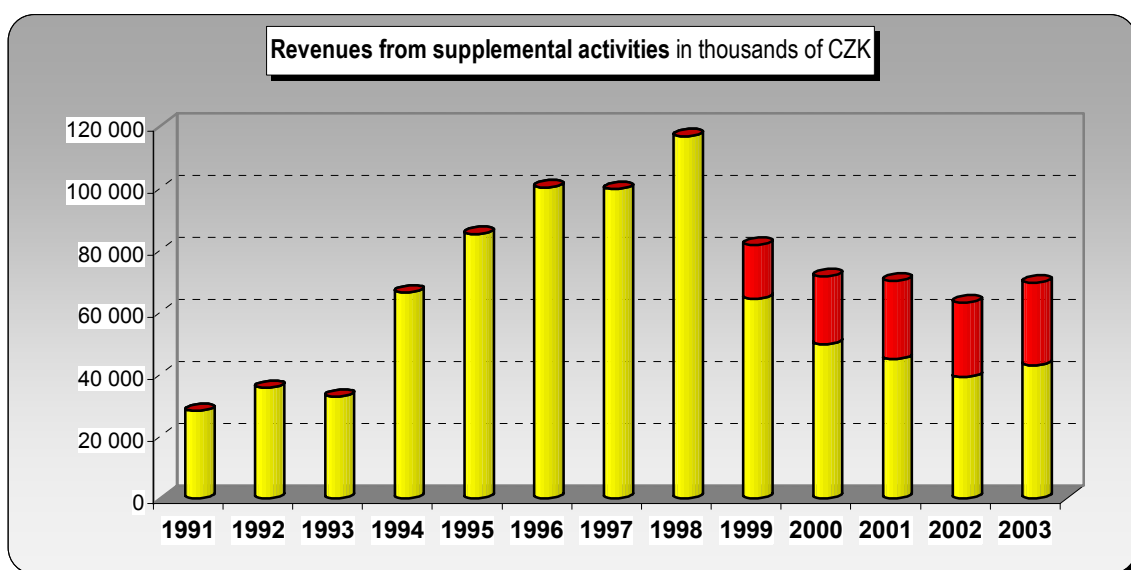
Tab. 3 – Non-investment funding per student between 1993 and 2003 (in thousands of CZK)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Non-investment subsidies, MoE	425 123	518 252	637 285	728 155	751 761	851 717	879 955	924 597	1 127 938	1 345 228	1 472 175
No. of students	11 544	11 629	12 837	15 401	16 741	18 026	18 875	21 014	23 543	27 292	37 441
Non-inv/student	36,83	44,53	49,64	47,28	44,91	47,25	46,62	44,00	47,91	49,29	39,32



Tab. 4 – Income from supplemental activities, 1994 and 2003, in thousands of CZK (exclusive of HoRRA until 1998)

Faculty	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
FoM	19 816	29 949	32 617	37 071	43 351	8 863	3 979	3 451	3 583	6 071
FoA	4 003	3 293	1 946	2 422	3 890	677	599	991	278	239
FoL	19 030	14 083	20 698	18 083	20 416	3 825	3 441	3 910	197	159
SoSS					375	231	349	152	71	26
FoS	8 786	9 349	9 254	9 712	14 773	17 107	15 026	17 049	16 707	18 088
FoI			691	180	163	448	0	0	0	0
FoE	465	860	1 376	1 185	1 190	3 315	998	705	24	18
FoSpS									364	353
FoEA	2 924	3 478	2 526	3 087	3 078	5 579	4 383	3 393	4 459	5 448
HoRRA						17 373	21 919	25 330	24 114	26 646
Others	11 319	24 184	31 089	27 955	29 459	24 243	20 851	15 128	13 324	12 413
Total	66 343	85 196	100 197	99 695	116 695	81 661	71 545	70 109	63 121	69 461

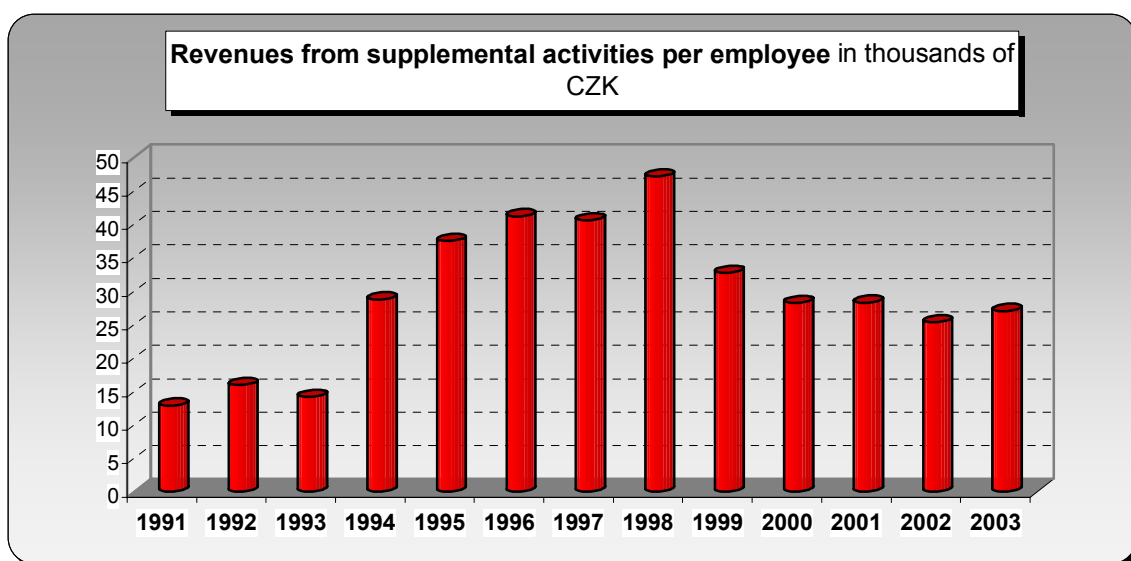


Note:

Reporting rules were changed in 1999, and some activities classified as supplemental until 1998 were transferred among non-budgeted revenues from core activities, and as such have been reported since. According to the current reporting rules, the supplemental activities in 1998 would, e.g., total 58,944 thousand CZK.

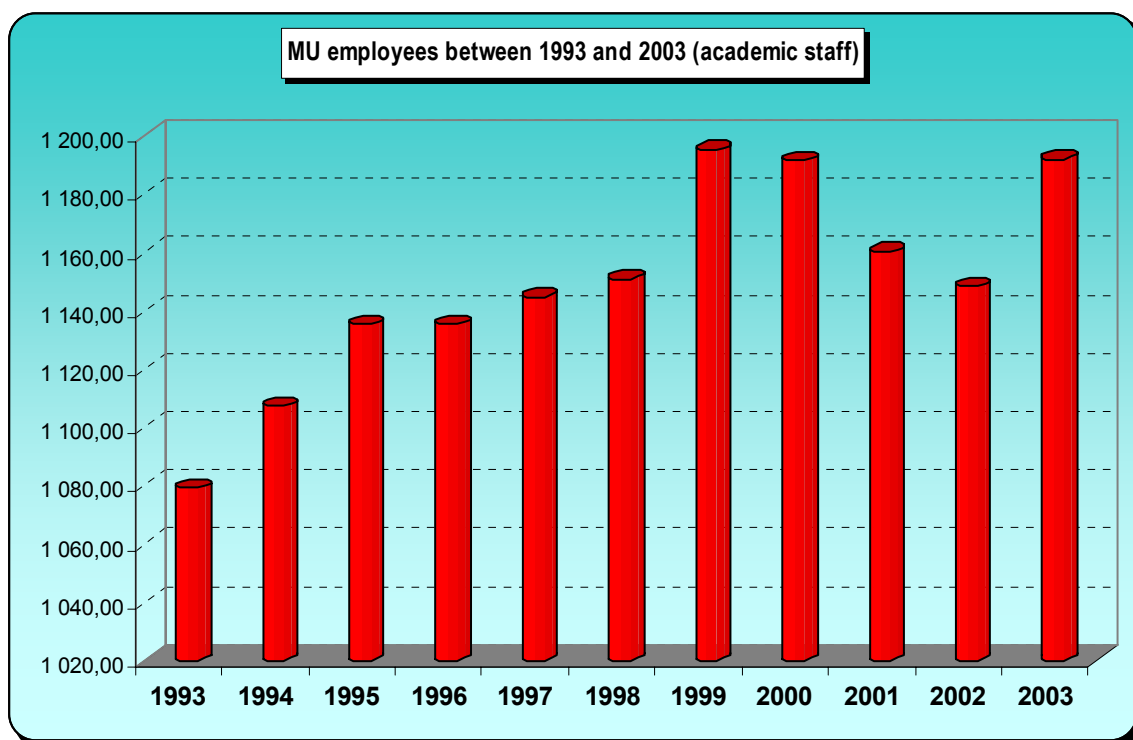
Tab. 5 – Revenues from supplemental activities per employee between 1993 and 2003 in thousands of CZK

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
Revenues	32 741	66 343	85 196	100 197	99 695	116 695	81 661	71 545	70 109	63 121	69 461
Number of employees	2 309	2 309	2 275	2 435	2 458	2 477	2 497	2 534	2 482	2 492	2 573
Revenues / employees	14.18	28.73	37.45	41.15	40.56	47.11	32.70	28.23	28.25	25.33	27.00



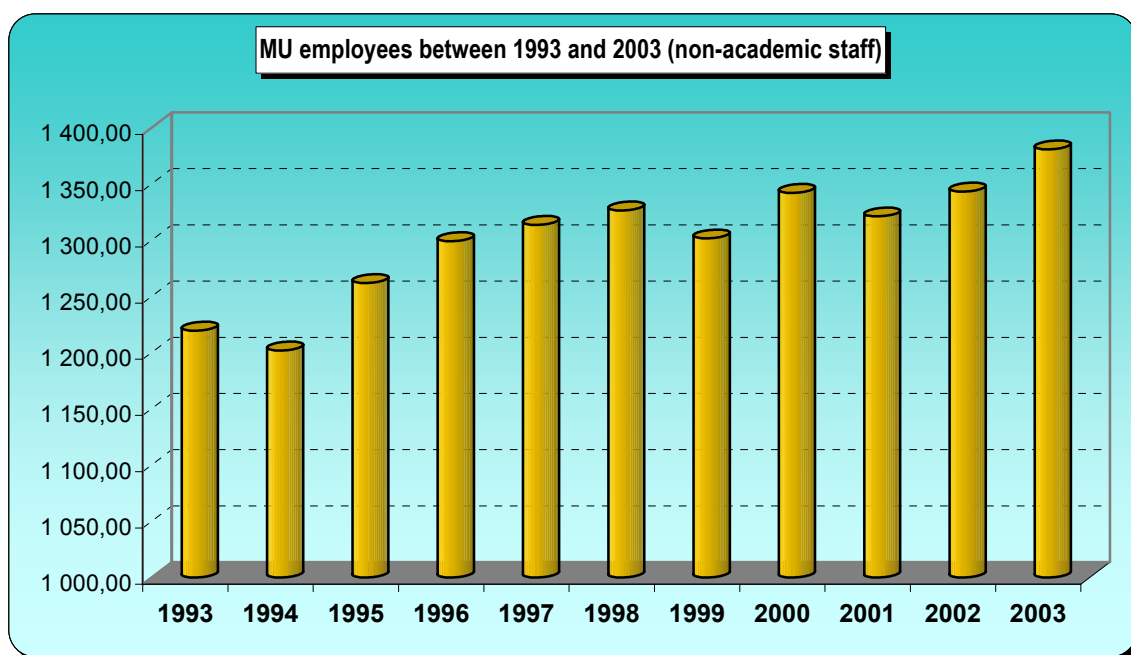
Tab. 6 – MU employees between 1993 and 2003 (academic staff)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
FoM	320,1	309,3	305,0	290,5	294,7	293,7	303,6	304,6	283,3	266,7	265,45
FoA	179,4	183,8	188,6	186,6	191,7	170,3	171,3	168,8	166,9	164,0	172,82
FoL	69,5	71,3	73,3	70,5	74,7	76,5	74,0	73,8	71,2	70,0	70,94
SoSS	–	–	–	–	–	24,3	32,7	36,8	38,9	46,4	55,22
FoS	208,4	202,5	195,3	200,0	195,9	196,8	211,7	203,8	211,4	217,9	221,70
FoI		6,6	20,7	24,5	28,3	28,7	43,4	48,1	39,4	40,8	45,74
FoE	205,5	225,8	232,5	233,5	227,0	219,4	214,6	216,4	209,7	176,4	182,27
FoSpS	–	–	–	–	–	–	–	–	–	49,0	53,72
FoEA	21,2	29,9	47,2	57,0	58,3	60,4	61,9	61,9	63,4	68,0	73,48
Others	75,0	78,2	72,6	72,7	74,1	80,8	82,0	77,4	76,1	49,2	50,61
Total	1 079,1	1 107,4	1 135,2	1 135,3	1 144,7	1 150,9	1 195,2	1 191,6	1 160,3	1 148,4	1 191,95



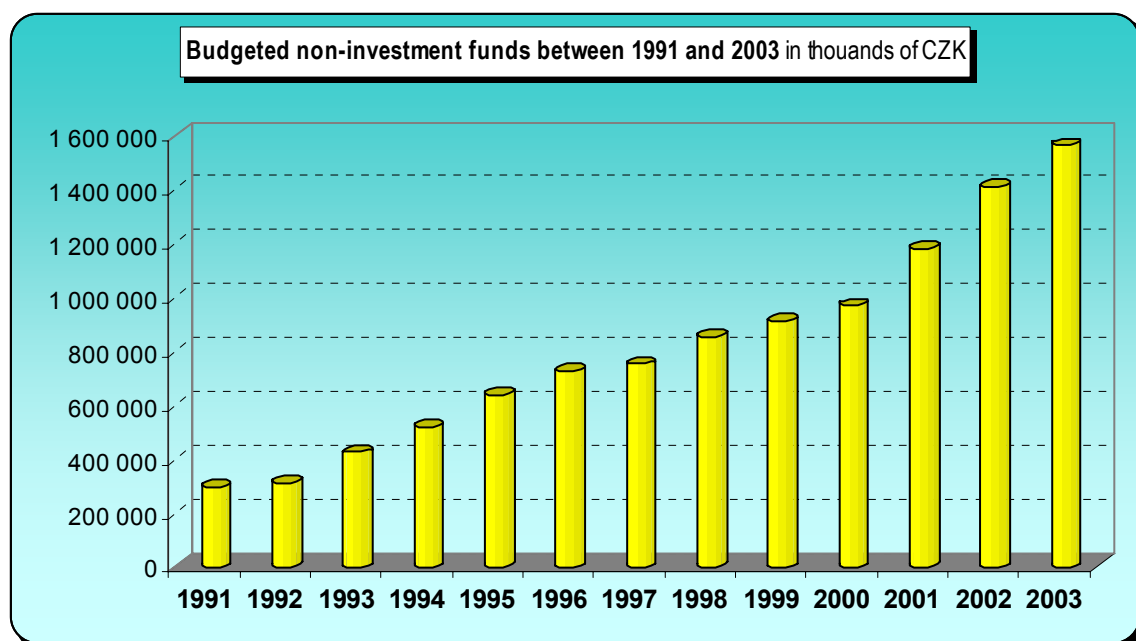
Tab. 7 – MU employees between 1993 and 2003 (non-academic staff)

Faculty	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
FoM	271,1	267,0	269,6	269,0	269,8	238,8	221,7	221,6	211,6	214,7	208,50
FoA	93,7	93,2	88,1	92,9	96,3	86,0	84,2	83,5	79,6	89,5	94,33
FoL	66,9	65,3	80,5	72,9	69,1	66,8	64,5	61,5	56,4	47,7	48,49
SoSS						21,3	21,9	32,5	43,3	45,5	54,09
FoS	234,5	232,8	245,3	247,8	264,5	277,9	276,7	294,5	295,8	309,3	318,81
FoI			19,7	36,1	41,0	54,0	48,2	49,0	50,8	54,7	57,59
FoE	101,1	103,3	112,9	117,3	116,7	112,0	112,2	113,0	92,6	78,5	80,55
FoSpS										22,6	28,51
FoEA	27,4	29,7	40,5	45,5	39,2	47,4	55,6	55,3	58,1	57,5	50,97
Others	196,4	180,5	187,7	189,5	193,0	187,3	194,4	203,3	202,8	202,8	220,96
HoRRA	230,6	226,2	217,8	228,3	224,2	235,1	222,3	228,0	230,3	220,6	218,17
Total	1 219,7	1 202,0	1 262,1	1 299,3	1 313,8	1 326,6	1 301,7	1 342,2	1 321,3	1 343,4	1 380,97



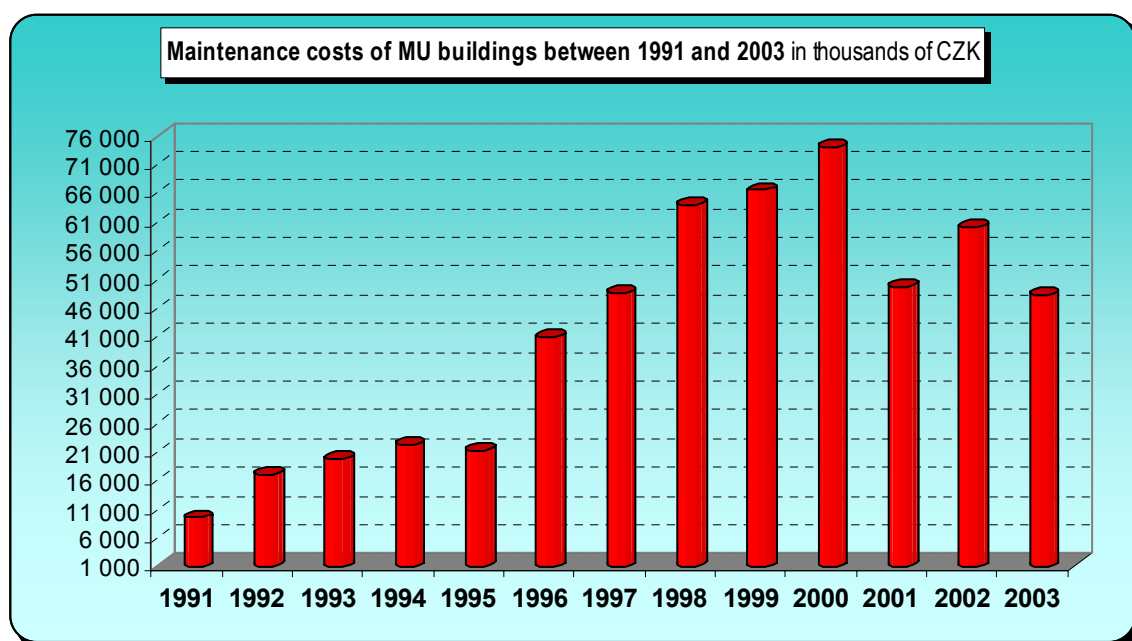
Tab. 8 – Budgeted non-investment funds between 1994 and 2003 in thousands of CZK

1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
518 252	637 285	728 155	751 761	851 717	909 626	966 978	1 178 674	1 407 202	1 560 828



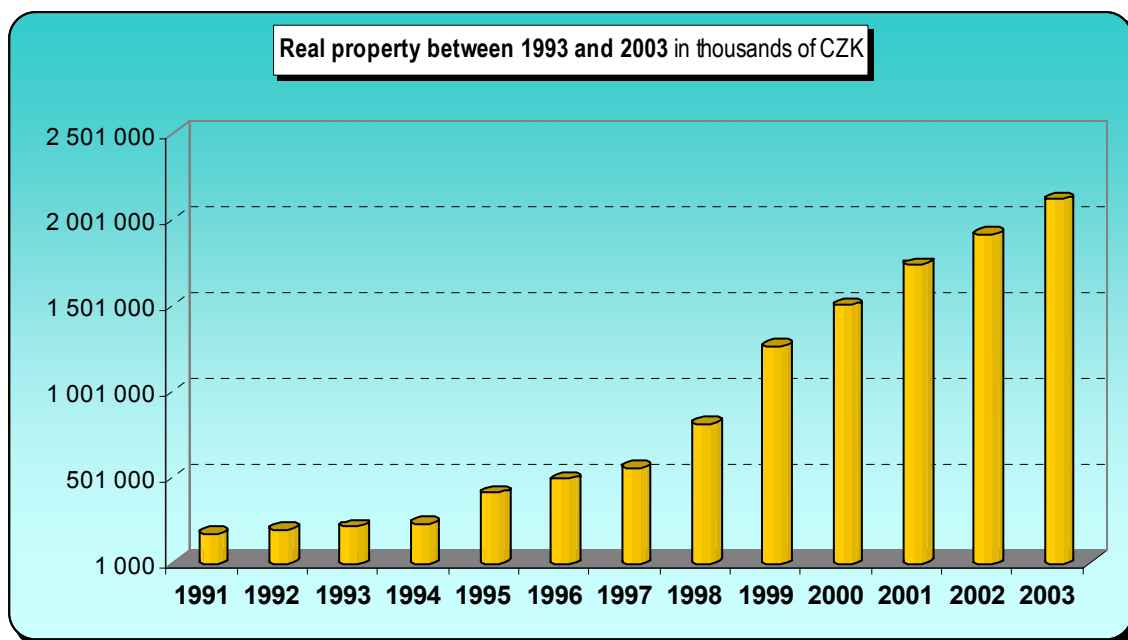
Tab. 9 – Maintenance costs of MU buildings between 1993 and 2003 in thousands of CZK

year	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
amount	19 738	22 155	21 192	41 023	48 685	63 833	66 458	73 833	49 682	60 101	48 330



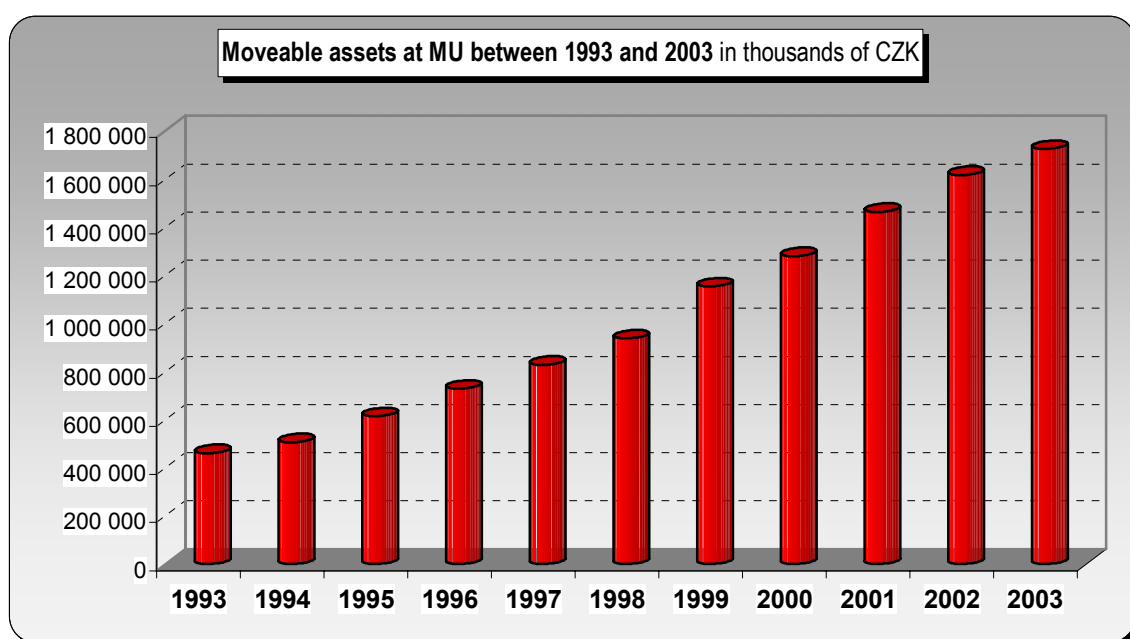
Tab. 10 – Real property between 1993 and 2003 in thousands of CZK

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
214 478	232 465	410 972	490 902	556 326	811 241	1 260 731	1 498 516	1 733 608	1 912 530	2 113 579



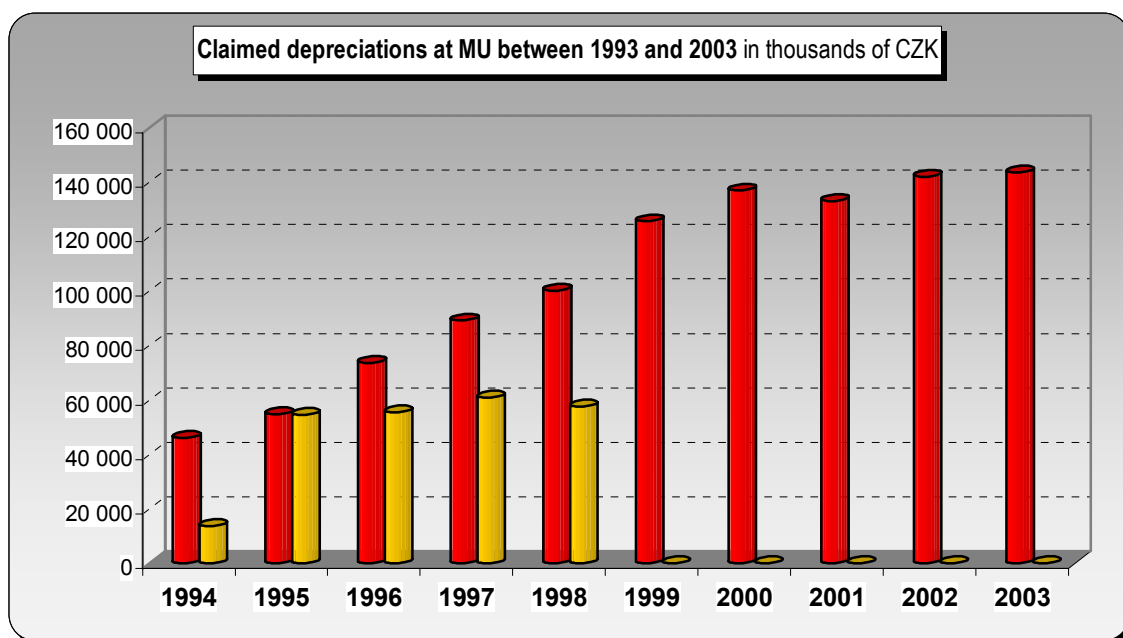
Tab. 11 – Moveable assets between 1993 and 2003 in thousands of CZK

1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
461 685	506 541	614 659	728 618	828 203	938 231	1 154 398	1 280 595	1 463 130	1 617 320	1 726 026



Tab. 12 – Claimed depreciations at MU between 1994 and 2003 in thousands of CZK

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
depreciations, total	46 025	54 675	73 598	89 169	100 144	125 535	136 815	133 044	141 966	143 509
depreciation subsidies	13 588	54 435	55 397	60 801	57 544	0	0	0	0	0

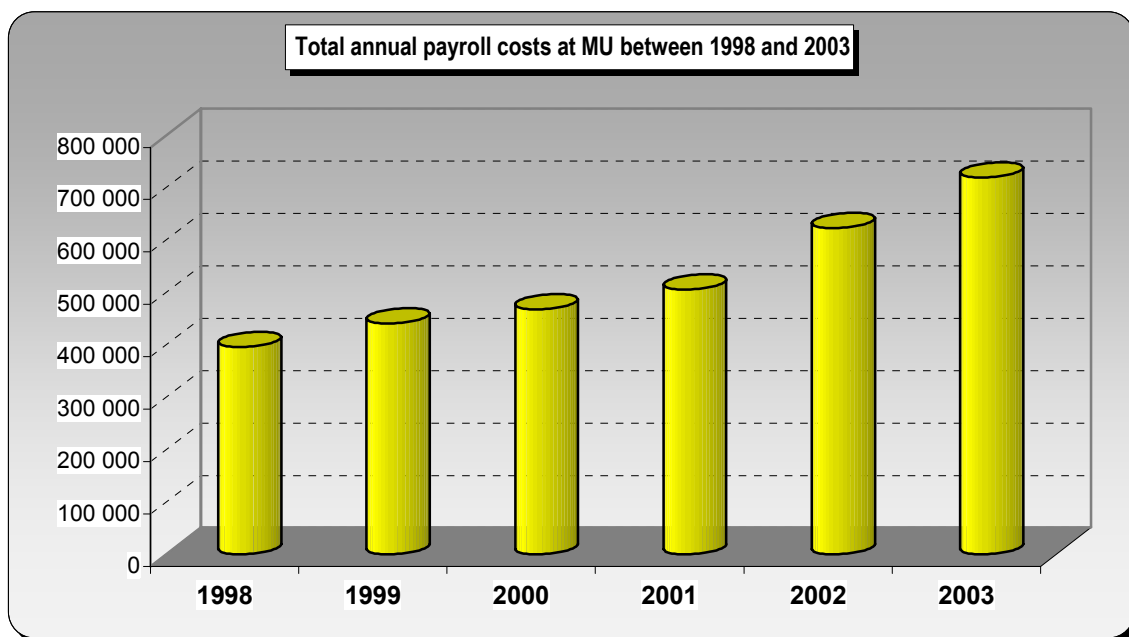


Tab. 13 – Total annual payroll costs at MU between 1998 and 2003 in thousands of CZK

Payroll costs	1998	1999	2000	2001	2002	2003
FoM	90 074	99 718	100 129	95 406	103 748	124 487
FoA	45 686	49 456	48 072	50 974	67 440	79 763
FoL	25 475	25 923	26 547	27 007	29 776	35 274
SoSS	8 493	12 623	15 932	21 393	27 607	34 264
FoS	77 923	89 084	94 042	108 792	135 228	146 813
FoI	12 725	16 183	22 103	23 806	30 006	36 218
FoE	53 856	54 576	55 844	60 963	73 343	76 672
FoSpS					15 045	19 001
FoEA	18 849	21 800	24 596	28 161	34 226	41 689
HoRRA	19 861	23 853	25 734	27 408	30 151	32 002
CFE	4 073	3 668	3 401	3 793	5 237	4 548
ICS	8 678	10 210	13 689	18 546	24 400	31 112
University Press	1 439	1 681	1 689	1 791	1 851	1 846
DFL	7 136	8 145	8 234	8 743	10 599	12 008
OIS					2 083	2 495
Rector's Office	15 374	17 725	21 648	22 911	25 705	33 703
Others *	6 441	7 327	6 710	6 749	6 982	7 679
MU, total	396 083	441 972	468 370	506 443	623 427	719 574

total payroll costs including all other personnel expenditures

* unallocated payroll costs (Physical Education Department, Rector's reserve, bonus fund, severance pay, etc.)



PROGRAMME 233 330 DEVELOPMENT OF MASARYK UNIVERSITY

The programme consists of two parts, i.e. subprogramme 233 333 (reconstruction of existing buildings of Masaryk University) and subprogramme 233 332 (building of the University Campus Bohunice).

BOHUNICE CAMPUS PROJECT IN 2003

On 19 December 2002, the decision of the Ministry of Culture to register the project No. 233 332-0701 "Building of the university campus in Brno-Bohunice" was published in the ISPROFIN information system. The decision changed the extraordinary status of preparatory work for the building of the Bohunice Campus with advance tendering for the project designer and manager and allowed for standard preparatory and project financing procedures. On 1 January 2003, Jiří Richter won a tender organized through a reputable employment agency and was appointed the executive director of construction. The public tender for the general designer was won by the A PLUS Brno, a. s., company, and the contract was signed on 18 February 2003. The project manager selection process was delayed by the Office for the Protection of Economic Competition's review of the contracting authority's decision regarding the choice of the best offer, and, following the positive outcome of the review, a contract of mandate was executed with Bovis Lend and Lease a.s. on 25 June 2003. In a separated public tender, JUDr. Vít Horáček from the Glatzová & Co. law office won the contract for legal advisor, and the corresponding contract was executed on 24 April 2003. This means that as of July 2003, the management structure of the Bohunice Campus project has been fully operational.

In 2003, owners of structures on the plots intended for the construction (mostly owned by the Teaching Hospital Brno) were identified, and the structures were either transferred to the MU's ownership, or demolished. At the same time, an agreement was reached with Pavel Kohn's wife about the withdrawal of the restitution claim, and a similar agreement with his children was drafted, so that it was possible to conclude the negotiations in the early 2004. This move, together with letters of intent to execute contracts of exchange with the CD XXI, a.s. Comp., fully secures all the land necessary for the construction of the Bohunice Campus. In cooperation with the general designer, the building programme for the Bohunice Campus was completed, and a decision was taken to prioritize the construction of integrated laboratories of biomedical technologies (ILBIT) making up about one seventh of the entire campus. The ILBIT planning permit was issued on 18 July 2003, the building permit on 11 Dec. 2003, and on 1 Oct. 2003 the announcement for the public tender with pre-qualification for the construction of ILBIT was published. On 10 Dec. 2003, planning permit proceedings for the remaining part of the Bohunice Campus and the Academic Research and Training Facilities were started. According to the effective timetable of works, the Bohunice Campus should be completed by the end of 2006.

RECONSTRUCTION OF EXISTING BUILDINGS OF MU IN 2003

Morphological Centre The completion of the Morphological Centre III project marked the end of several years' long gradual

reconstruction of a group of buildings, and it also was the first fully completed large building of the future Bohunice Campus to be opened for use by the Faculties of Medicine and of Science MU at the end of 2003. The general contractor and designer for the reconstruction were UNISTAV, a. s. and A PLUS Brno, a. s., respectively.

Joštova 10: When the project documentation for the reconstruction of the building previously used by the FoM for the use by the FoSpS was completed by the general designer Arch.Design – Ateliér DOS, s. r. o., the ŽS Brno, a.s. Comp. was selected as the general contractor for the project in July to August 2003. At the same time, temporary premises were rented for departments and institutes of the FoM affected by the reconstruction at Tomešova Street, and the planned period of reconstruction was shortened. In 2003, about 1/8 of work was completed, and the building is be ready to receive the offices of the FoSpS in mid-2005.

Faculty of Science campus at Kotlářská Street: The first of four implementation period of a construction project was started. The public tender for a comprehensive reconstruction of two

structures of the Sciences about the Earth Section (including all appropriate underground services and landscaping) was won by Komfort, a.s. The main works were done according to plan in 2003, and the two structures will be gradually open for operation before the beginning of the spring semester 2004. Project and preparation for the 2nd stage of construction works, i.e. the rest of the campus including the final stage of the construction of the information and study centre (the competition for the design of centre was won by the architect R. Květ in November 2003, and the reconstruction of the existing buildings was designed by Kovoprojekta Brno, a.s.).

A new classroom for the Faculty of Informatics: At the Botanická campus, a new classroom D3 was built over the existing classrooms D1 and D2, which underwent a partial reconstruction on that occasion. The new trio of classrooms built by PSJ Brno, s.r.o. after the design of the architect P.Davidek has already been opened for operation.

Other minor reconstruction projects were done usually according to plan and timetable at all MU faculties.

ACADEMIC SENATE

1. ACTIVITIES OF THE ACADEMIC SENATE

In the winter semester of 2002/3, the existing academic senate's term of office ended, and elections for the new senate was held. The academic community of MU elected the new academic senate for the term of office from 2003 to 2006. The newly elected senate will be chaired by Prof. Jindřich Vomela, M.D. (FoM MU), the vice-chairman will be Dr. Miroslav Kolář, (FoS MU), and the chairman of the Student Chamber of the AS MU Jiří Nantl, Bc. (FoSpS MU) has been elected the second vice-chairman.

The chairman or the vice-chairman of the AS MU regularly attended meetings of the Rector's Council and of the university executive. With regard to individual faculties, the AS MU prefers direct cooperation with faculty senates.

The AS MU attributes particular importance to the construction of the University Campus Bohunice. Discussion over reports from all MU officials responsible for the building of the Bohunice Campus was on the agenda of all the Senate's meetings. It was proposed that separate pages on the construction of the Bohunice campus be included on the MU website to facilitate access to the information to all the members of the academic community. The information was also communicated to the Academic Assembly MU.

2. ACTIVITIES OF COMMITTEES

AS MU set up its working groups, i.e. the Economic Committee headed by Dr. Tomáš Pitner, Ph.D. (FoI MU) and the Legislative Committee headed by Jiří Nantl, Bc., (FoSpS). From the very beginning, the programme of both of the committees was based on active cooperation with the university management and academic senates at individual faculties.

From the beginning of its work, the Economic Committee focused its attention on budgeting rules and the use of the MU budget. Detailed reports on financial performance of the university were regularly submitted at the meetings of the AS MU, including statements on the issues from respective faculties and MU administration.

The Legislative Committee of the AS MU analyzed the new university regulations for the AS MU.

3. STUDENT CHAMBER

In 2003, the chairman of the Student Chamber of the AS MU, Mr. Jiří Nantl, Bc. was also elected chairman of the Student Chamber of the Universities Council. The Student Chamber developed its activities not only as part of the AS MU, but also as an organisation representing the student part of the academic community of the university. On 6 October 2003, Karel Pančocha (FoE MU) was elected the chairman of the Student Chamber of the AS MU.

OFFICE FOR INTERNATIONAL STUDIES

In 2003, activities of the Office for International Studies developed mainly in five traditional fields, namely international

cooperation, foreign language programmes, MU presentations, activities in international networks, and miscellaneous.

INTERNATIONAL COOPERATION

Participation in international programmes

- **SOCRATES Programme**

- ❖ **ERASMUS**

Academic year 2002/2003

The principal mobility programme at MU is SOCRATES/ERASMUS, which facilitates stays of MU students and teachers abroad, as well as the stays of their counterparts at MU. As expected, the growth of the programme in the academic year 2002/2003 was slow: the 341 students and 63 teachers travelling abroad represented an increase of 14 % and 7 %, respectively. After two years when the number of international students arriving to Brno under the ERASMUS programme remained almost the same, their number grew slightly to 71 this year, an increase of 18 %. With its 5:1 ratio between Czech and international students, MU is nevertheless still lagging behind the Czech average (3:1) for the ERASMUS programme. This underlines the importance of some of the goals set in the new Strategy of Internationalization of Masaryk University (see below).

Academic year 2003/2004

Compared with 2002/2003, a slightly bigger increase (about 20 %) in the numbers of MU students and teachers participating in the ERASMUS programme was expected this academic year. The expected increase of 25 % in the number of international students coming to MU is encouraging; hopefully, MU will finally succeed in attracting larger numbers of international students by its broader range of study programmes in foreign languages (particularly in English), better promotion, services to international students, etc.

Under the ERASMUS programme, MU also developed an intensive environmental programme under ERASMUS at the FoS, and the project for the introduction of the European Credit System (ECTS). MU entered the new ERASMUS Thematic Network (FoE). MU also became more active in the subprogrammes Comenius (FoA) and Arion (FoA).

- **LEONARDO**

Experience gained by the Centre from its membership in the international network LeoNet, which provides a number of services to its members, have proven their usefulness in 2003, when the Centre offered scholarships to MU students under the Leonardo Programme for the first time. The original number of 8 scholarships in the project coordinated by West Bohemian University in Pilsen grew to 27. MU students who did well in the

project spent 3 to 9 months in various East and West European countries.

In addition to the above programme, there are four other Leonardo programmes currently under way at Masaryk University, mainly pilot projects at the Faculty of Science and in the Centre for Further Education of Teachers, which are research-oriented.

- **Jean Monnet**

In 2003, six project under the Jean Monnet programme (the so-called Jean Monnet Chair, European module and Permanent course) continued at the Faculties of Law, Arts, Education and at the School of Social Studies.

- **CEEPUS**

In the spring 2003, representatives of the Office for International Studies met with the central coordinator of the CEEPUS programme in Vienna to better inform their clients about that programme possibilities at MU. New developments in the programme were also discussed at the autumn national meeting in Brno. The number of CEEPUS programmes at MU remained unchanged (7) in spite of an absolute decrease in their number in the Czech Republic. There is an interesting project that offers MU the possibility to organize training of several young Bosnian scholars (research stays at MU).

Cooperation with twinned universities

The group of the so-called twinned universities (Wrocław, Szeged, Katowice, Poznań, Regensburg, Vienna, Greifswald, Bratislava) was extended when a new bilateral agreement was signed with Pécs University. The total number of teacher mobility days under twinning agreements also increased. Because of long-term negative experience, cooperation with the Silesian University in Katowice was reduced to a standard level as defined in the agreement on cooperation, and starting from 2004, no teacher mobility programmes supported from the Centre's budget are to be offered.

Bilateral agreements

In 2003, new bilateral agreements were executed with Paris V University (Sorbonne), the Saskatchewan University, Pécs University, Nizhni Novgorod University, University of Ivan Frank in Lvov, University of Cyril and Methodius in Skopje, and University in Plovdiv (renewed cooperation).

Other scholarships to study abroad

Under special agreements, students were offered scholarships to study at Greifswald, Wrocław, Pécs, Bologna, Toronto and Osaka (Kansai Gaidai University).

MoE programmes for transformation and development

For the third year running, these programmes have been supporting student mobility by offering funds to both students who go to universities under bilateral agreements with MU, and to the so-called freemovers. In 2003, the number of students who used this type of scholarship to spend one or two semesters at universities in Europe, America, Africa or Asia grew sharply from 85 to 123 (of which 28 were "freemovers").

Study stays under government agreements

Every year, the Academic Information Agency announces various types of stays (summer courses, study

stays, research and lecture stays) organized under agreements between the Czech government and governments of other countries. In 2003, nine teachers and 47 students profited from those programmes (an increase of approx. 20 %), and they went to 17 European countries and Egypt, Mongolia and Mexico.

Miscellaneous projects

There are a large number of agreements at MU that were executed either by faculties or for the use by individual workplaces. Under those agreements, dozens of other students and teachers go for short-term or semester- or year-long stays abroad, attend summer schools there, etc. Under similar agreements, limited numbers of students and scholars from abroad come to MU. These projects, however, are not registered centrally.

FOREIGN LANGUAGE PROGRAMMES

- **Central European Studies Programme (CESP)**

The Central European Studies programme (CESP) is a one-semester programme taught in English and offered every semester to tuition-paying students from the USA and the students that MU receives under the SOCRATES/ERASMUS programme; for the latter, CESP seminars represent the main study programme in a foreign language at MU. In 2003, the CESP programme was attended by 53 students compared with 51 in 2002.

- **TESOL TE**

The other one-semester programme administered by the Centre for International Studies is for teachers of English as a second language. On successful completion of the programmes, participants receive the internationally recognized certificate "CELTA" for the teaching of English. MU is one of six universities outside the UK accredited for this programme. The programme is attended by both Czech and foreign students. For personnel reasons, the programme was offered in the spring semester only in 2003.

PRESENTATIONS ABROAD

Presentation of Masaryk University at various conferences and other events abroad and at home is an important part of the Centre's responsibilities.

In 2003, the Centre's representatives participated at the usual two main conferences and educational trade fairs in Europe and America in the field of foreign relations organized by the European Association for International Education (EAIE) in Vienna and the Association of International Educators (NAFSA) in Salt Lake City.

EAIE – For this year's EAIE conference, the CIS initiated and coordinated a project whose aim was enhance the image of Brno and its schools of higher education on the international scene, and to attract potential partners for programmes of exchange, research and other types of cooperation. The stand of all Brno universities at the conference, met with a lively response and so did the English-language publication "The Brno Universities", the first booklet ever where all Brno universities

outlined their programmes, courses taught in English and possibilities for the study of international students.

NAFSA – at the conference, CIS representatives met with representatives of several US universities and, in cooperation with the Fulbright Foundation, coordinated the presentation of universities from Central and Eastern Europe.

MU representatives also participated in a conference on aspects of internationalization entitled "Internationalization at Home" organized by the university in Malmö (Sweden), and in the international conference on "Comprehensive Role of International Centres Staff" organized by the University of Agriculture in Prague, where the CIS's director read the paper on the "Internationalization as a University Strategy".

At the annual meeting of the International Student Exchange Program, MU gave a presentation as a new member of the network (see below).

ACTIVITIES IN INTERNATIONAL NETWORKS

• Utrecht Network

In April 2003, MU hosted the Utrecht Network annual meeting for the first time. At the end of the very successful two-day meeting, a celebratory event was held where the staff of the CIS performed as soloists and the choir in the 15-minute opera "Phil and Sophy" composed especially for that occasion. The cooperation with the NU executive continued in autumn, when the CIS director was a member of the Utrecht Network delegation that met with the top representatives of Comenius University in Bratislava to assess its suitability as a potential new member of the group.

Student exchanges remain the main form of cooperation in the Utrecht Network of universities. There has been a moderate increase in the number of exchanges made under SOCRATES/ERASMUS programme agreements between MU and other member universities. Brno welcomed two tuition-paying students to the CESP programme from the member university in Bergen, and the first two MU students left for a one-semester study stay in Australia organized under an agreement between the Utrecht Network and a consortium of Australian universities.

Another important activity of the Utrecht Network are its summer schools. This year, scholarships to attend the summer school on "Dutch Society and Culture" were again awarded to five MU undergraduates. This year, the second Utrecht Network summer school in Bologna on human rights was attended by three MU students and two teachers.

Another important activity of the UN is the support to exchanges of experience between member universities. The CIS was awarded a scholarship for a working visit of two of representatives of partner universities in Antwerp and Utrecht. The aim of the visit was to acquire experience in areas that are not made full use of at MU, e.g. work placements for students and participation of student unions in issues of international relations. The visit included participation in the trade fair organized by the Utrecht University for students who are

considering a stay abroad at one of the Utrecht Network partner universities.

• Compostela Group of Universities

At the annual general CGU meeting in September 2003, the CIS director was elected to work in the new CGU executive committee; in this way, the tradition established when the CGU was founded, namely the presence of an MU representative in the highest body of the organisation, was continued.

The CIS director had shouldered the responsibility for CGU publications for some time, in fact two publications have been published under his supervision, and three more are being prepared. The CGU has set the broadening of possibilities for cooperation between member universities as one of its current priorities. A new thematic group "European Studies" has been established, and one of MU teachers participated in the meeting at Compostela where the group was established. MU also became a member of a new working group dealing with exchanges of non-academic staff of member universities, and it participated in the selection process of candidates for working placements. Under the new programme, two administrative MU workers (from areas of IT and librarianship) travelled abroad, and MU received one guest for the area of IT.

• International Student Exchange Program

Through the CIS membership, MU became the first Czech school of higher education to be a member of the International Student Exchange Program network. Membership in the network will make it possible for MU students to study at universities in the USA and other member countries under advantageous conditions (students do not pay any tuition fees, and get free accommodation and meals; they, however, pay for the stay of their counterparts at MU).

OTHER ACTIVITIES

The first stage of the most important CIS project in the field of internationalization was concluded on 1 April 2003 when the Rector's Council approved the "Strategy for MU Internationalization". The strategy, based on conclusions of year-long debates in the Committee for Internationalization at MU and recommendations reached at those debates, defines the development until 2006. In the future, the Committee for Internationalization at MU's role will be to coordinate and oversee the implementation of the Strategy.

Together with another 14 schools of higher education (out of a total of about 150 that participated in the programme), MU was invited to attend the evaluation meeting at the end of the 5-year University Programme of the Salzburg Seminar. MU was represented by the CIS director, who prepared a detailed

report on the impact of Salzburg Seminar Advisors' visits at MU between 1999 and 2001.

The establishment in autumn 2003 of the new International Student Club at MU under the auspices of the CIS significantly improves the conditions for international students at MU. The Club's mission is to contribute towards higher integration of international students at MU, and to provide orientation – and not only in the academic environment.

As a part of their 5-week learning trip to Slovakia and the Czech Republic, 12 university and secondary-school teachers from the USA spent a week in Brno. The extensive programme of lectures and cultural events in Brno and South Moravia was organized by the CIS in cooperation with the Fulbright Commission in Prague and Bratislava as part of the so-called "Fulbright-Hays Summer Study Program".

MU ARCHIVE

The Masaryk University Archive is an integral part of the network of Czech archives, in which it is classified as an archive of special importance. At the same time, it is also the fundamental historiography workplace for the history of Masaryk University, and for the history of scientific disciplines taught there. The archive's acquisition area covers mainly documents of lasting historical and administrative value generated by the university, its faculties and other constituent parts. An important type of documents deposited in the archive is written legacy (personal holdings) of eminent scientists and teachers from the university's history, and also documentation of scientific associations, societies, professional and social organisations whose activities were associated with Masaryk University. At the end of 2003, the archive was taking care of 26 so-called official holdings, 104 legacies, 41 holdings of societies and associations, and 10 archival holdings (historic documents, photographs, videos, audio recordings, medals, pictures and busts, diplomas), extending over a total of 1,900 meters. Acquisition activities have recently been considerably limited by a critical shortage of storage space. Classification and cataloguing in the Archive was seriously hampered in 2002 by extensive civil engineering work in the central archive at the Faculty of Law. In view of inadequate working conditions, it was only possible to process smaller sets of archive material or holdings of a simple structure. Very valuable personal collections of the philosopher Josef Šafařík were made accessible by J. Plosová, an FoA undergraduate who worked on them under the supervision of the Archive's director as part of her entry into the student competition organized by the Czech Archival Society. An inventory was made of the holdings of the Pedagogical Institute in Jihlava, and a significant progress was made in the processing of the largest personal collection in the MU Archives, i.e. written documents from the legacy of the physiologist Vladislav Kruta, to which new additions were acquired in 2003.

The number of searches made increased dramatically with the increase in the requests for abstracts of study plans and of exam results, which was partly due to the increased mobility of university graduates (issuance of documents for degree recognition abroad), and partly to the requests from state administration, the Ministry of Justice (academic achievement certificates for judiciary service applicants) and the Ministry of Interior (materials for the recognition of qualification

for state administration posts). The number of requests for specialist historical searches has also increased significantly.

The number of researchers using the study room was very small because the room was closed for a long time in 2003. In emergencies, the Archives made other premises available for research purposes. Extensive search in the archive was made by the researcher Laurent Mazliak from the 6th Paris University, who studied the correspondence between French physicists and Professor Hostinský.

In 2003, workers of the Archives published results of their research under a grant project of Brno and Olomouc authors in "Chapters from the History of University Education in Moravia Between 1945 and 1990". The Institute of History of Charles University published the book "Professor Václav Chytil and Uranium Ore Mines" that includes text by this professor of the Faculty of Law MU who was cruelly persecuted by the communist regime in the 1950s. The staff of the Archives participated in the publications by selecting written documents from the personal holdings of this eminent MU personality, and also as co-authors. The work on the third volume of Professor František Weyer's memoirs based on his personal holdings to be published in 2004 by Atlantis Press has entered the final stage. For the use by the University of the Third Age, the Archives have produced a brief outline of MU history. The Archives continued the digitization of photographs from its collections and processing the images of Rectors and Deans for MU web pages in cooperation with the Institute of Computer Science. The Archives cooperates on the long-term basis in the production of the Encyclopaedia of Brno with the City of Brno Museum.

The Archives' director is the only representative of university archives in the Scientific Council for Archives of the Minister of the Interior. In this position, he participated in the drafting of the Archives and Documents Services Bill in 2003, and producing materials for the Bill's sponsor's negotiations in the parliament. He is also a member panels of examiners at state final and state doctoral exams for archival and auxiliary historical sciences at the FoA MU. Dr. Kalendovská from the Archive's staff is the chairperson of the Brno office of the Science and Technology History Society, and a member of the Society's national committee. The Archives' representatives are on editorial boards of The Archival Journal, Journal of the Science and Technology History Society, and Zlín Space cultural review.

CENTRE FOR FURTHER EDUCATION

The core activities of the Centre for Further Education (CFE) included the organisation of accredited training courses, doing grant projects, consulting, and publishing activities. In these activities, the Centre co-operated with MU faculties, the Ministry of the Interior, regional Pedagogical Centres, and foreign institutions.

The Centre found very good premises and material support at Komenského Square (and partly also in the Šlapanice Training Centre, but that was closed for reconstructions from May to November).

EDUCATIONAL COURSES

Foreign languages

The courses focused on foreign language teaching methodology drawing on the European frame of references with an emphasis on the new school leaving exams and European language standards. A total of 78 courses, lecture series and seminars were held that represented 133 seminar days, which were attended by 1,992 teachers, and 24 events comprised of 52 seminar days attended by 432 participants were organized in cooperation with foreign institutions.

International cooperation successfully developed with PI Hollabrunn, PI Wien, KulturKontakt Wien, Universities in Vienna, Linz and Graz, with Goethe-Institutes in Prague and Munich, with Hueber Munich Press and ZFA-Bundesverwaltungsamt. Also very good was the traditional cooperation with the cultural section of the Swiss Embassy in Prague.

With the support of the Austrian and German partners, the Centre sent 52 teachers from the Czech Republic to attend various two- to three-day educational events abroad, and 19 teachers took part in research fellowships that lasted 5 – 14 days. For teachers from Austria, the Centre organized a summer course of the Czech language. Four CFS MU members participated in projects, fellowships, and study stays, and took an active part in an international conference abroad.

State administration

In incoming and residential 2-week courses, 80 administrative workers of local, municipal and regional governments were trained in advance skills, and another 300 administration staff attended 6 introductory course. These seminars were held as part of administrative staff training projects pursuant to Act 312/2002 Sb.

Information technologies

Under the project "P1 – Information Literacy – Basic and Advance levels" of the Czech Ministry of Education, 241 teachers from elementary and secondary schools were trained in 19 courses lasting a total of 86 days.

There were 60 participants who took the ECDL tests. The computer room was also used for foreign language classes.

Specialized study of educational counselling

A total of 65 guidance counsellors successfully graduated from a four-semester programme of study. For this combined-study type of programme, 25 texts representing core reference literature were published.

University of the Third Age(U3A)

The prepared project of context and organisational transformation of the first-year programmes of the U3A was implemented. Programmes of the second, third and fourth years went ahead based on the existing approved concept. But these advance courses will gradually be also innovated. A greater diversification of methods and types of training has been prepared.

The basic computer pilot courses were successfully completed by 50 senior citizens. Co-operation between Czech and Slovak universities in organising U3A activities continued.

In winter semester, U3A courses were attended by 620 students. In the summer semester, their number grew to 830.

DEVELOPMENT PROGRAMMES

In cooperation with the Faculty of Education of MU, the CFE developed and held the "Integrated Counselling Course for Disadvantaged Persons on the Labour Market in the Context of National and European Cooperation" under the project PHARE 2002 EQUAL. This pilot test run course was attended by 25 participants.

The CFE actively participated in the project THENUCE -THEG 5, and it will also be involved in the follow-up project in 2003 – 2006.

With regard to development programmes, it is responsible for the preparation of an integrated project of life-long education at MU and a project for U3A development.

PUBLICATION ACTIVITIES

The re-edition of the 5th edition of the textbook Legal Theory for Schools and in Practice had an issue of 1500 copies, and was 343 pages long.

There were 10 innovated study guides with a total of 350 pages issued in 500 copies published for the needs of state administration employees involved in distance learning study programmes.

For the first-year courses of U3A, 7 study texts in 250 copies were published on issues related to health and life styles of senior citizens.

EDUCATION CENTRE

In 2003, the reconstruction of the accommodation wing of the Centre was completed. That is the reason why the Centre was in operation for a part of the year only. In the first months of the year, before the Centre for closed for repairs, and in the later part of the year, 42 events were organized there by MU institutes and other organisations.

DEPARTMENT OF FOREIGN LANGUAGES

The Department of Foreign Languages of Masaryk University Brno serves the entire university providing foreign language courses for students of non-linguistic disciplines at MU faculties. A new language department was also set up on 1 September 2003 at the Faculty of Sports Studies.

Teachers and foreign lecturers from the eight sections of DFL focus on language skills for specific purposes and the teaching of academic skills in English, German, French, Spanish and Russian to students of bachelor's, master's and doctoral programmes of full-time and combined study. At the Faculties of Arts, Medicine, and Law, Latin specialist terminology is also taught. The Department also provides Czech courses for foreign students, and organises the teaching of integrated language courses and specialised subjects in co-operation with the appropriate faculty departments. Twice a year, the DFL organises an international TOEFL exam in English and since 2002 holds intensive preparatory courses for this exam.

In 2002/2003, the Department introduced a year-long intensive study programme of English especially aimed at students who graduated from secondary school. The Department has acquired accreditation for this from the Czech Ministry of Education.

An important part of the Department is the multimedia Self-Access Centre in the building of the MU Rector's Office, in which students and university staff have access to materials, learning programmes, textbooks, dictionaries, worksheets, video programmes, CD-ROM, DVD and satellite that serve to expand their knowledge of both everyday and special-purpose language. The study room gives students an opportunity for independent study over and beyond the obligatory curriculum.

The teachers from the Department carry out research activities and take part in conferences at home and abroad, and

also in grant projects. In 2003, the main grant project was "The interdisciplinary multi-media and computer language programmes and courses for MU Students with an emphasis on tutorial approach to teaching" under the Transformation and Development Projects of the Czech Ministry of Education. International co-operation between the Department and the University of Aberystwyth in Wales is supported by a grant from the SOCRATES programme and is continuing successfully.

In 1997, the Department was admitted to CercleS, an international organisation of European language departments. The Department was active during the foundation of the Czech and Slovak Association of Language Centres at Universities (CASAJC). The Association became a regular member of CercleS in January 2001. This association became a full member of CercleS in January 2001. The mission of the association is to support the education and research of foreign languages at universities on the basis of modern didactic methods. In the academic year 2003/04, selected teachers of the Department cooperated within the CercleS in the pilot project of European Language Portfolio testing for universities.

Also in 2003, the Department continued in its close co-operation with the British Council. In recent years, the British Council has given DFL significant support with its grants, and made it possible for selected teachers of English to become national instructors of ESP (English for Specific Purposes). The British Council also initiated the establishment of the new professional organisation AMATE (Association of Methodologists – Association of Teacher Educators), in which the teachers of English from DFL take part.

The Department of Foreign Languages currently has 60 employees, of which 6 are foreigners teaching English at the various faculties of Masaryk University.

INTERNATIONAL INSTITUTE FOR POLITICAL STUDIES

In 2003, the International Institute for Political Studies (IIPS) continued in its traditional publishing activities, organized specialist seminars and organized a number of educational events that aimed at elucidating various selected specialist issues to a more general public. The events were organized in cooperation with the Konrad-Adenauer-Stiftung foundation, the Czech Ministry of Foreign Affairs and other partners.

ORGANISATION OF CONFERENCES AND SEMINARS

The aim of conferences and seminars organized by the Institute is provide a venue for direct outputs of various research projects in political sciences, jurisprudence, international relations and European studies. Conferences and seminars provide opportunities for informing the interested public about the main conclusions reached in research projects, and possibly also stimulate them to raise new research questions themselves.

In February 2003, the Institute organized a workshop on the "Transformation of communist parties", where issues relating to succession organizations to the former governing communist parties and to their attempts at transformation to parties with social-democratic type of programme.

In March 2003, the Institute organized a two-day conference on "Czecho-Slovak relations 10 years after the break-up of the federation" to mark the 10th anniversary of the split. Besides the foremost scholars in this area (Petr Fiala, Filip Křepelka, Lubomír Kopeček), the conference was attended by prominent politicians and other VIPs (Petr Pithart, Rudolf Slánský, Jiří Zlatuška, Petr Osuský). The conference dealt with various aspects of relationships between the two countries, and

it outlined the opportunities for further Czecho-Slovak cooperation, particularly in the context of the new enlargement of the European Union.

In April, the Institute organized a series of short seminars for students where political science research issues were discussed (*American think tanks and their role in the political system of the USA, Role of analysis and planning in Czech diplomacy, The shaping and tools of economic diplomacy of the Czech Republic, The Near East – the present and the future*).

At the end of April, the Institute organized the workshop *Parties and party families in transforming countries* in cooperation with the Political Science Department of the SoSS. The workshop was devoted to the question of political parties and political families in Central and South-Eastern Europe. The leading Czech and Slovak specialists discussed the possibility of using the concept of political families on that territory in general, and gave specific examples of political systems in individual countries.

In May, the conference *Referendum on the entry of the Czech Republic to the European Union and Czech political parties* was held to coincide with the referendum on the entry of the CR into the EU itself.

Leading specialists in research into political parties, European issues, legal aspects of the "European referendum" or public opinion polls (Břetislav Dančák, Grigorij Mesežnikov,

Markéta Pitrová, Vojtěch Šimiček) and leading representatives of Czech political parties (Miroslav Topolánek, Libor Rouček, Jiří Dolejš) discussed principal issues in the process of accession of the Czech Republic into the European Union.

In September 2003, the Institute organized an international conference on the *Financing of local governments in unifying Europe* together with the Faculty of Law of MU. The conference dealt with the financing of local government in European countries. The conference was attended by leading specialists in the issues from faculties of law, state administration and local governments from the Czech Republic, Croatia, Lithuania, Hungary, Poland and the Slovak Republic. It responded to changes that have taken place in Central and South-Eastern Europe in recent years, as well as to the need of (not only) candidate countries to adjust local government financing to the conditions prevailing in the European Union.

In October and November, the Institute organized a new series of seminars for students (The role of think-tanks in the CR and V4 countries, Principal priorities of Czech foreign policies, The role of independent organisations in the Czech Republic, Publicity campaign before the referendum on the entry into the EU, Political influence of think-tanks in Slovakia, Strategy of negotiations in international relations, Pro-European organisations in the Czech Republic, Think-tanks and international security – possibilities and activities) where leading experts from the academic community as well as practical politics spoke about topical issues.

At the end of November 2003, a conference on the *Division of judicial powers* organized in cooperation with the Faculty of Law was held. The conference dealt with topical issues of the internal division of judicial powers, the position of constitutional and supreme judges in the Czech Republic, in Slovakia and within the broader European context. The question of influence of the judicial power on the political system was also discussed.

In December 2003, the Institute organized a specialist workshop on European referendums, where basic information from research into public referenda individual European countries organized in connection with their respective entry into the EU were summarized.

TRAINING COURSES

Training courses organized by the Institute were designed for specific target groups: a) clerical staff of state administration and local governments, and b) teachers of social sciences and humanities at secondary schools. In the first half of 2003, a series of courses on the European Union was held for the secondary school teachers. A total of 15 courses in different parts of the CR was held. In the second half of 2003, another series of training courses for the secondary school teachers was held, this time on NATO. The 15 courses of the series were held in selected big cities of the Czech Republic. In the second half of 2003, training courses for regional administration staff were held. The aim was to explain them some basic questions related to the European Union, and the entry of the Czech Republic into the EU. The courses were organized in almost all regional offices.

In all three types of courses, the Institute provided the lecturers and guaranteed their professional competence. One of the Institute's partners was the Ministry of the Interior of the Czech Republic.

PUBLISHING

The IIPS continued to publish the periodicals *Journal for political Science* and *Central European Political Studies*. Thanks to the assistance of Konrad Adenauer Stiftung, the IIPS published *Politics in the CR*, a bulletin monitoring the political situation in the Czech Republic.

In its Monographs, Anthologies and Studies, the following books were published: Balík, S. (ed.): *Local government elections in the Czech Republic in 2002*; Balík, S. Hloušek, V. Holzer, J. Šedo, J.: *Political system in Czech Lands between 1848 and 1989*; Barša, P.: *The hour of the empire*; Fiala, P. Herbut, R. (eds.): *Central European systems of political parties. Czech Republic, Hungary, Poland and Slovakia*; Hloušek, V. Kopeček, L. (eds.): *Democracy*; Kolesár, P. (ed.): *Czecho-Slovak relations 10 years after the break-up of their*

federation; Kopeček, L. (ed.): *From Mečiar to Dzurinda. Slovak policy and political system in the first decade of independence*; Schneider, Jiří: *Think-tanks and defence of interests in Visegrad countries*; Szaló, C. Nosál, I. (eds.): *Mosaic in reconstruction. The forming of social identities in contemporary central Europe*; Šedo, J. (ed.): *European issue in electoral campaigns*.

In 2003, the International Institute for Political Studies continued to develop political research and its promotion, enhanced educational activities supported either from its own resources, or acting as a guarantee of professional competence. Activities of the IIPS in 2003 thus contributed to the further development of political and related sciences (international relations, European studies) in Brno, but they also contributed to the broadening of cooperation between the IIPS and academic institutions at home and abroad, and with the political and administration communities.

CENTRE FOR REGIONAL DEVELOPMENT

In accord with the main activities of the Centre for Regional Development (CRD), research activities focused on resolving comprehensive and case studies aimed at the interdisciplinary methods of solving problems dealing with regional development for the needs of institutions of state and local administrations. In 2003, 17 projects were successfully completed. The most intensive cooperation developed with the South Moravian regional government (eight successful tenders) and the Statutory City of Brno (four tenders).

In April, the CRD submitted an extensive study on the "Concept of international relations of the South Moravian region" to the South Moravian regional government. The study also drew on experience of MU and its faculties gained in cooperating with universities abroad. Preliminary conclusions and recommendations were presented to the representatives of the region.

In the second half of the year, several more assignments were completed for the South Moravian regional government. The most time-intensive was the survey into employment rates in the South Moravian region as of 30 June 2003 and its processing. In the survey, the CRD cooperated not only with the regional government but also individual job centres in the region. One of the objectives was to ascertain the interested of undertakings in the region in employing fresh school graduates, and what skills were required. The final research report also contained an outlook of the situation on the labour market in the South Moravia region, particularly with respect to the entry of the Czech Republic into the EU.

The aim of "Biking in the geographic information system of the South Moravian Region" not only gave an overview of existing biking routes but it also identified the

principal desirable directions of development of what is an important part of infrastructural basis of the tourist industry. The study emphasized the need for an overview of financial resources that would make it possible to finance the development of biking as a tourist activity. Two more assignments were also related to the tourist industry in the South Moravian region. The projects in question were the "Tourist barometer of South Moravia 2003", and "Analysis of tourist industry markets abroad in relation to the attendance of the South Moravian region". The first project was a survey of numbers of visitors through tourist information centers, the other was an analysis of the numbers of tourists from coming from neighbouring countries, the Netherlands and Russia. In both projects, contemporary forms of marketing support to South Moravian tourist attractions were given particular attention.

Two documents prepared in cooperation with the GaREP consultancy have a special position. In its research report "Situation analysis of demographic trends in South Moravian region and directions of their support", the CRD prepared a population projection in districts and the entire region until 2030, including expected consequences in social policies for basic age groups of the population. In the "Updated programme of development of the South Moravian region", the CRD was responsible for the economy. The most recent assignment for the South Moravian regional government was the provision of technical and professional assistance in the preparation and processing of a survey of public utilities in all towns and villages of the region.

Of the four projects undertaken for the City of Brno, the most noteworthy was the "Survey of the retail businesses network in Brno". It was a field survey of the network of retail

outlets, their sizes, assortment structures and other supplementary data. The situation was analyzed not only from the point of view of the city as a whole, but also its constituent parts. The principal outputs of the project that can be used by the authorities for territorial planning include an insight into developmental trends in the retail sector in Brno, the definition of possible risks and the outline of possible scenarios for further development. In 2003, the CRD also made a "Survey of employment in Brno as of 31.12.2002". The centre's research report "Corporate management in Brno industrial undertakings in 2001 (analysis and synthesis of financial indices)" was used as part of resource materials for the regular rating of the city of Brno. The last of the projects commissioned by the city of Brno

was the study "Current demographic trends and their impact of the development of the City of Brno population".

A very positive is the fact that most projects undertaken by the Centre are designed as application research projects with an involvement of students and junior research workers. They are mainly undergraduates and doctorands from the fields of study Regional development and administration (FoEA MU) and Geography (FoS MU). The centre's staff also acted as teachers at its own and cooperating faculties. The Centre co-organized the 6th international colloquium on regional sciences (Pavlov, June 2003). Ten doctoral students were given an opportunity to present their research results to date at that event.

INSTITUTE OF COMPUTER TECHNOLOGY

The Institute of Computer Technology is a university institute of Masaryk University Brno responsible for the development of information and communication technologies at the university. It is responsible for the operations and development of centralised computer equipment, information systems and the communication infrastructure of the university. It provides methodical assistance to Laboratories of Computer Technology and other specialised information and communication technologies located within the faculties, and takes part in research and education. The major areas of the ICT MU activity and the results achieved in 2003 were as follows:

1. CENTRALIZED COMPUTER FACILITIES

The Institute of Computer Technology of Masaryk University operates dozens of communication devices and central computing and data servers for centralized computer and library services, supercomputer systems, servers for automated management systems, web services for the university, administrative servers for operating and monitoring the university network, parts of the national academic network CESNET2, the metropolitan archive of medical and visual information, and many others. These facilities are operated in three air-conditioned and secured rooms with a back-up genset to ensure continuous power supply.

In 2003, particular attention was paid to the consolidation of the central servers of MU information systems. A new and more powerful application server on the Sparc/Solaris platform has been purchased, and the capacity of several other servers on the Intel platform has been enhanced. A new disk capacity was added to the central server for general services to provide for new applications that require centralized data storage. Funds from the HEDF were used to substantially enhance the computing and data capacity of servers in the University computer room in order that its infrastructure can also provide centralized authentication and data services for other study rooms and classrooms at MU.

2. SUPERCOMPUTER CENTRE

A part of the Institute is also the Supercomputer Centre Brno with nation-wide operations. The Centre uses very powerful computer technology and takes part in research and development in the field of supercomputers and extensive distribution systems, the so-called Grids. Its operation and research activities are coordinated in national and international projects, where its main partners in the CR are the CESNET, Institute of Computer Technologies of Charles University in Prague and the Centre for Information and Computer Technologies of the West Bohemian University in Pilsen. On the international level, the ICT cooperates with its counterparts in Poland (Poznan, Krakow), Hungary (SZTAKI Budapest), Germany (AEI Postupim, ZIB Berlin), Italy (INFN), Switzerland (CERN) and a number of others.

The ICT operates its own computer systems, specifically computers SGI Origin 2000 and PowerChallenge XL with a total of 52 processors MIPS R10000 and 20 GB storage capacity, as well as computer clusters of the CESNET association under the national project MetaCentrum. In 2003, the Institute operated 48 nodes of a cluster with 96 mainly Pentium 4 Xeon processors with the frequency of 2.4 GHz. Each processor had 0.5 GB storage capacity available, and in autumn, 64 processors had that capacity extended to 1 GB. The computing capacities are being supported by corresponding disk capacities (about 5 TB disks) and a tape library (under the MetaCentrum project) with 12 TB capacity without compression for data backuping and archiving, with nation-wide application.

Among the most important activities are Grid management and monitoring and the field of information systems for those environments. The Institute is developing the *Perun* system intended for the management of user accounts, authorisations and software information for the use of supercomputer centres and Grids. The *Perun* system is used not only at MU but nationally as a part of the MetaCentrum project, and, in the second part of the year, it was used internationally as part of the EU Grid Lab project. Also significant are ICT activities in the field of security of Grid, whose national infrastructure uses the Kerberos authentication system. Research has focused on interoperability between

various authentication (and recently also authorization) systems (mainly combinations of Kerberos, PKI and single-use passwords, with prospects of using hardware-based systems with tokens).

3. UNIVERSITY COMPUTER NETWORK, COMMUNICATION INFRASTRUCTURE

The Network Department of the ICT MU builds and operates the backbone of the Brno metropolitan computer network with a direct link to Prague with a capacity of 2.5 Gb/s. The metropolitan network backbone is based on the Gigabit Ethernet technology. At present, the metropolitan computer network comprises 86 nodes (sites) and almost 100 km of optical fibre cables with thousands of strands and tens of thousands of connecting cables. To connect places that are inaccessible by the optical network, directional radio transmitters operating in licensed as well as no-licence bands are used. The metropolitan network has thousands of peripheries (active and passive network elements) linked to it. To manage and maintain such an extensive network, the ICT has set up its own information system on the basis of geographic information system technologies (see IS BAPS).

In 2003, priorities with respect to the optical cable network changed. It was the reconstruction of old routes rather than building of new routes that was high on the list of priorities. The existing overhead cables had to be strengthened and put underground (these steps were prompted by a change in legislation requiring that easements be negotiated, and because the permission for cables from the first stage of the metropolitan network construction was to expire soon). In this manner, a total of 13 km of optical routes were reconstructed in 2003. As part of voice services enhancement, telephone exchanges of individual faculties were also connected to the metropolitan optical routes.

As part of a long-term research project of the ICT, the central server of the virtual private MU network was put to operation that provides for safe remote access to the university network resources from places outside the MU network proper. The system features authentication of the party requesting access and encoding of all the data carried through the public computer network.

4. VOICE COMMUNICATION NETWORK

In 2002, ICT MU was given responsibility for the *voice communication network* of the university, i.e. telephones, which use optical cables of the metropolitan computer network. When in 2003 the project was prepared and technologies selected, the building of a uniform university voice communication network started. The aim was to give its users a range of new services and, at the same time, to reduce the overall costs of telephone services at MU. The completion of the project is planned for 2004. For the voice communication network, the Avaya technology has been selected because it makes it possible to operate an extensive centrally controlled voice network based on „classical“ telephony, IP telephony, or their combinations. For the MU voice network, an approach with a predominance of classical telephony features which makes it possible to use a majority of existing analogue phones was selected. The central unit of the system that controls the entire network is located in the communications room of the ICT MU. Connected to it are

local phones of the Faculty of Informatics and the ICT, and, in a star topology, satellite exchanges of other faculties and large units within MU. The satellite exchanges are usually connected by optical fibre cables of the university computer network. In smaller locations with a direct access to the MU backbone data network but where a satellite exchange would not be cost effective, IP telephony will be used instead.

By the end of 2003, the MU unified voice network will cover the Faculty of Informatics and the ICT, Faculty of Arts, School of Social Studies, Faculty of Economics and Administration, Faculty of Education and Faculty of Sports Studies. A call centre of centralized voice information services to external callers that will serve the entire university has been built and put in operation at the ICT. The rest of the MU institutions will be connected in 2004.

The transfer to the unified voice network is connected with a change in phone numbers. New numbers consist of the prefix 54949 valid for the entire university, followed by a four-digit number of the exchange (phone station). The range of numbers for extension stations (0000-9999) is divided into the institutional part (numbers allocated to positions irrespective of people currently serving in those positions), and the personal part (i.e. numbers allocated to persons irrespective of their current position and location: when a person is moved to another post or location within MU, he will retain his personal phone number). Because the telephone exchange of the MU unified voice network allows allocations of virtual numbers, one phone may have both the personal number and the “position” number allocated to it. A similar approach may be used in a situation when several workers are sharing one telephone apparatus: each of them may have his or her own number for incoming calls.

The unified voice network is gradually connected with the university information system, which will eventually enable a more effective management of the network and an immediate detailed information about its use.

5. UNIVERSITY COMPUTER ROOM

The university computer room was built on the MU premises at Komenského náměstí in 2000 to radically and at the same time effectively improve the accessibility to computers and to internal and general information services for all MU students. The room with 109 computers was built by the ICT, and it also operates it 24 hours a day, 7 days a week.

In 2003, the computer room was opened practically continuously for a total of 344 days. At that time, it was used by 13,272 students who spent at the computers there 459,588 hours during their 383,535 visits. The most important event last year was the replacement of all student computers, which were considerably worn-down after their three-year continuous operation. The new computers are sufficiently powerful and reliable for all the applications used, and they are also equipped with CD-RW and ZIP drives. Since autumn 2003, students in the ICT have been able to connect their own notebooks to the wireless (Wi-Fi) network at up to 54 Mb/s. The black-and-white laser printer put into operation in 2002 has also been intensively used by the students. In 2003, they printed 310,640 pages of text.

The acquisition of the new file server has made it possible to extend the disk space available to clients for the

storage of their personal data (at present 50 MB of disk space are available for home directories of individual users).

6. UNIVERSITY INFORMATION SYSTEM

The ICT is responsible for the development, maintenance and operation of several centralized and local subsystems that support the day-to-day operation of the university in all the key areas:

- science and research,
- economy and accounting,
- human resources and payroll applications.

The systems are a part of the integrated control and information system IRIS MU, whose concept and integrity are the responsibility of the ICT.

Library system: The R&D activities at MU are supported by the automated library system Aleph, which in 2003 partially (at the Faculty of Arts only) replaced the somewhat obsolete system TINLIB. At the same time, the programme support (transformation of data, unification procedures) for the transfer and physical unification of other faculty catalogues under the Aleph system in 2004 was completed.

At present, MU library systems hold over half a million (573,000 to be more precise) of bibliographic entries, and they have 33,000 registered clients. Services in the fields of cataloguing, loans, access to information on library holdings are fully automated both on local library stations and remotely in the www environment.

Research and development: Information on MU scientific and research activities is recorded in the *wwwdata MU intranet system*, which is developed by ICT. Long-term and regular R&D projects and approval processes for associate and full professorship appointments are registered centrally with references to respective departments and people (at present 1540 projects undertaken at MU since 1991 are registered at the database). In 2003, the system was extended to include the administration of scientific councils and other MU bodies by specialist R&D offices.

Economy, human resources: Finance, accounts and human resources issues at MU are administered using the Magion Vsetin economic information system, which is integrated with the personnel and payroll system developed by ICT and the MU intranet Inet superstructure. EIS Magion serves to about 250 users from economic offices, PaMS MU serves to about 50 users from human resources and payroll departments, Inet MU is regularly used by over 40 % employees (about 1400 people including staff of specialist units and managers at all levels of the hierarchy) and 18 % students (over 4800 clients), and it is accessed daily by 300 – 350 people on average.

The development of EIS Magion in 2003 focused on modifying and extending functions of the assets register module, with a particular attention to tax deductions, adjustments ensuing from changes to regulations, implementation to methodological guidelines, assets stock-taking and the numbering system for MU rooms and buildings. In 2004, the central register of small-value assets is to be built.

Inet and Clearing: The systematic development of the Inet MU economic section in 2003 continued primarily in the area of accounting reports and support to Clearing MU (the existing use of the clearing system for non-cash payments for accommodation and accommodation-related services at MU halls of residence will be extended in 2004 to include payments for meals at MU refectories, printing and copying services, etc.), and a new set of basic applications for the above asset records at MU workplaces was created (assets administration and stock-taking lists). Inet offer was also extended in the human resources and payroll sections, specifically with regards electronically recorded hours worked and personal maintenance of selected personal data, and new payroll funds use reports have been developed. The need to provide data and application support to the newly built voice network at MU led to the establishment in Inet of an independent new section of ICT services with structured lists of telephone charges. This base will be significantly extended in 2004.

Public www presentations of MU A bilingual version of the Internet (web and wap) presentation of MU gives overall and detailed information on all institutions and offices at MU, using the principles of uniform information content, uniform presentation format and automated transfer of information from the IRIS MU databases. The presentation, which was visited in 2003 by almost 8 000 different IP addresses a week (1.3 times more than in 2002), is on a cluster of web servers. In 2003, the presentation of MU study programmes was completely overhauled in connection with the introduction of new codes for study programmes and areas of study.

IS-BACN: ICT services at MU are (besides the already mentioned Inet MU section) supported mainly by the Information System of the Brno Academic Computer Network (IS BACN) designed for the administration of information on BACN, especially for the support of decision-making concerning the use and further extension of the metropolitan network. Developed completely at the ICT MU, the system uses technologies of geographic information systems (GIS) and thereby enables precise visualisation of the position of elements of the network in a map. In 2003, its functionality was extended and a metadata system for BACN electronic and paper documentation was set up. At present, the IS BACN includes extensive information on about 500 cables, 3,000 devices, 7,000 interconnecting cables and 15,000 cable strands. This information and particularly the GIS technologies applied will be useful for the newly developed project of a system of assets management and MU buildings maintenance. In its first stage planned for 2004, a comprehensive electronic specification of MU buildings and rooms will be made.

Smart cards: To provide for controlled access to the university automated information systems, secured areas (including the university computer room), ordering and serving meals in refectories, as well as for general identification purposes, the ICT produces chip-based personal identification cards for students (ISIC cards) and for employees (ITIC and employee cards). In 2003, a total of 6,278 new chip-based cards were made.

7. ELECTRONIC INFORMATION RESOURCES FOR R&D AND STUDY PROGRAMMES

In recent years, the Library and Information Centre at the ICT has acted as a coordinator for the acquisition of professional electronic information sources for research and development, and for ensuring access to these sources. Most of these financially demanding resources are provided through the participation of MU in the Czech Ministry of Education – LI projects (information sources for research and development), providing financing from external (non-university) sources. For that reason, new consortium projects for electronic information sources for the new programme 1N of the MoE for the period 2004-2008 were prepared, and MU's participation in projects prepared by other entities was coordinated. In the first round of the selection process of the 1N programme at the end of 2003, MU was very successful when all its projects submitted were approved (5 of 16 projects approved in the first round were from MU). MU is involved in another 15 consortium projects as a co-author. These will be approved in the next rounds of the programme's selection process in 2004. If these projects are also approved, MU clients in 2004-2008 will have access to at least a similar range of electronic bibliographic, factual, fulltext resources and serials for R&D and teaching purposes as before.

8. RESEARCH AND PROJECTS

As an institution of higher education, the ICT has also a role to play in R&D activities nationally and internationally in addition to services it provides in the field of information and communication technologies.

For the fifth year, the ICT has continued work on the long-term research project "Digital Libraries" which covers the entire spectrum of the Institute's research and development. In 2003, 11 ICT workers and 6 external collaborators were directly involved in work on the project. Results were published in 32 scientific and academic texts, and presented at 20 national and international conferences.

As part of the project, several digital libraries have been built (e.g. the photographic collection of important MU personalities in the MU Archives has been completely digitized), and our contribution to the draft infrastructure of the WebArchive for archiving the Czech web was significant (collaboration with the Czech National Library). One of the most important activities undertaken and co-ordinated within the long-term research programme is the project *MeDiMed* to build and use a metropolitan archive of medical visual information obtained from medical diagnostic instruments via modern digital technologies. At the end of the year, the archive contained almost a million digital images comprising a total of 1.3 TB of data (twice as many as in 2002). The five Brno hospital that make up the *MeDiMed* system were joined by two hospitals outside Brno in 2003, one in Kyjov and the other in Jihlava.

In research into digital libraries, the ICT MU cooperates with the Faculty of Informatics; both institutions are authors of the recently approved project of the 6th Framework Programme of the EU, Networks of Excellence in the field of Digital Libraries *DELOS* (2004 – 2007). In 2003, the

international project *StraDiWare* (Formal Specification Tools for Strategic Planning, INCO COPERNICUS), coordinated by the ICT staff between 1998 and 2003, was completed and successfully presented.

Besides the long-term research programmes, another important ICT research group is at its supercomputer centre. In 2003, the ICT continued to be involved in the GridLab project of the 5th FP of the EU (where the ICT is responsible for the operation and monitoring of the international Grid infrastructure), and it also started work on the DidaS project (Distributed Data Warehouses) of the Development Fund of the CESNET association. The aim of the project is provide large distributed disk capacities for general applications. In the project, an installation of about 7 data depots with a total storage capacity of over 10 TB is expected. The capacity will be used mainly as a storage capacity for "interesting" items (e.g. video recordings of schools, CESNET association and other organizations, digital material provided by the Czech National Library, which is one of the co-authors), and a part of the capacity will be offered to the academic community. Throughout 2003, intensive work on the national project *MetaCentrum* continued. Its author is the CESNET association, and its aim is to build and operate a large distributed computing environment. In the second half of the year, the Supercomputer centre Brno (SCB) won a project of the CESNET Development Fund from the field of securing access using hardware tokens. Finally in September the SCB submitted (as the main author in cooperation with Charles University, West Bohemian University, Czech Technical University and Technical University Ostrava) an extensive project for the 1N programme of the Ministry of Education entitled National Supercomputer Centre. The project was approved and its implementation started in 2004.

On the international level, the SCB took part in the preparation of a number of projects for the 6th FP EU. Its project CoreGrid, a Network of Excellence uniting top European institutions in the field of grids, passed on to the next round. The project is to be started at the end of 2004.

In 2003, the university network development department continued its cooperation with the CESNET association in the strategic project *Implementation of IPv6 in the CESNET2 network*. The principal area of R&D is the use of programmable hardware (gate arrays). In the project, a family of gate accelerators COMBO has been developed. It is expected that they can be used in a number of projects and activities on the domestic and international levels. As part of extensive cooperation with the CESNET association, an experimental rectifier for IPv6 has been developed where the COMBO accelerator will be used to accelerate the route selection. This cooperation also takes place on the international level as part of the *6NET* project of the 6th FP EU. The ICT was also invited to participate in the project *SCAMPI* (also 6th FP EU), where the COMBO accelerator is to be used for the monitoring and analysis of the high-speed network traffic (up to 10 Gbps). In 2003, the team consisting of members of the ICT MU staff, external workers and, very importantly, of undergraduates and doctorands, published 8 conference papers, 4 diploma theses and 12 technical reports.

9. SUMMARY OF ECONOMIC PARAMETERS

In 2003, the ICT MU budget totalled 180 million CZK (31% increase over 2002). Only about a half of that amount was direct subsidies from the MU budget, a quarter was investment funds

and the remaining quarter came from grants and commercial activities. At the end of 2003, ICT MU administered property of an overall purchasing value of about 270 million CZK.

MASARYK UNIVERSITY INFORMATION SYSTEM

The Masaryk University Information System (IS MU) is an authenticated web information system covering nearly every aspect of attendance and other areas of administration.. Access to the public part of the system is possible at is.muni.cz.

At 31 December 2003, 55,035 active users have been issued a password for the MU Information System. The system is regularly used by 27,887 people, and 32,232 people logged into the system at least once. In the admissions procedures for

the academic year 2003/2004, a total of 24,377 e-applications were received. A total of 19,526 people read the news on the Notice Board, and 15,218 students took part in an anonymous survey on the quality of instruction. Exam dates of 3,813 subjects taught in 2003/2004 were posted for electronic registration. The mail server (mail.muni.cz) delivered about 2.8 million messages in 2003.

STATISTICS

- Number of log-ins in 2003: 79 067 075
- Maximum number of different logged-in users in one day: 12 217
- Maximum number of opened pages in the system in one day: 570 407
- Maximum server response: about 90,000 resolved requests per hour (averaged)
- Overall number of scripts (individual programmes) of the system: about 800
- Information is stored in a total of about 700 database tables and about 60 categories
- Number of publication records: 359,159 (of these, the number reported to RIV: 22 444)
- Number of queries answered at the contact address: about 2,500
- Total length of time in which the server was not accessible: about 30 hours

TECHNOLOGIES USED

With a few exceptions, the technologies used remained essentially the same in 2003. Some outdated technical equipment of servers supporting the operation of the mail subsystem mail.muni.cz was replaced. In view of a manifest increase in overall demands on the system, it was, however, necessary to optimize its settings and the execution of its individual operations while retaining the existing technologies. One of the most important steps in this respect was the increase in the database server performance. Thanks to the optimization, sufficient performance for ordinary workday exigencies throughout the year has been guaranteed since March 2003. At the end of the year, the load was almost 500,000 operations daily executed by over 12,000 users.

As a result of the changes in the MU attendance rules, a number of new bulk operations were implemented in the autumn semester that facilitate registration for individual semesters. These computation-wise very demanding bulk operations on top of a steep increase in concurrently performed ordinary operations, however, caused unusually big load of the system in the first two weeks of the semester. Moreover, previously unidentified errors became manifest in the database server under that load (in peak periods), and these were gradually put right by adjustments in the system settings. At the end of the year, corrections of errors in the database system

delivered were also made. In this way, problems caused by the growing load on the system from ordinary and bulk operations were successfully resolved.

One problem, however, remain, namely peaks in operation caused by various student competitions for attractive offers allocated on the first-come-first-served basis (e.g. allocation of students to seminar groups, etc.). Such competitions cause enormous overloading of the otherwise sufficiently powerful system, and have negative consequences not only for the competing students themselves, but also for other users of the system. For that reason, an administrative decision was taken to postpone the beginning of all types of time competitions to 5 p.m. to minimize their impact on clients with regular working hours. Besides the optimization measures above, two more methods restricting negative impacts of time competitions without the need to enhance the computing power were implemented. Test results, however, failed to produce the expected features suitable for use in real operations.

Based on experience gained in operating the system in 2003, a decision was taken to increase the computing power of the system in the next year, with the aim of being able to satisfy the ever growing demands on ordinary operations also in the years to come, and, at the same time, to upgrade the response capabilities at peak times caused by competitions for

attractive offers. For this reason, 8 application servers were purchased at the end of the year, and the necessary upgrading of the database server is planned for the next year. In view of the planned support to e-learning by the Information system, the overall capacity of the internal data storage has also been upgraded, and the storage of post boxes of clients optimized, which has led to significant savings in a large part of the internal database disk capacity.

DEVELOPMENT AND OPERATION

The progress in the use of the electronic format in administrative operations has made it possible to adopt a new regulation for the entire university, i.e. the Rules of Attendance and Examinations, which set uniform standards for a number of attendance mechanisms. The implementation of the new measures into the IS MU and individual faculties continued throughout the larger part of 2003 and will continue in 2004. Other new assignments are the E-elections, Small IS and a number of supplements for, and amendments in, the existing programmes.

IMPLEMENTATION OF THE ATTENDANCE AND EXAMINATION RULES.

The amended version of the Attendance and Examination Rules for students of bachelor's and master's degree programmes was prepared in cooperation with IS MU authors in order that the new regulation sets simple procedures for the support of credit study programmes, attendance of several parallel programmes, attendance checks, etc. The unification opens possibilities for introducing their algorithmic, i.e. automated, processing. Under such conditions, degree programmes may be adjusted to allow students themselves to control their progress through the study.

For instance, the following applications and mechanisms have been set up:

- Request to cancel the obligation to retake a subject (Subjects in which the student failed are automatically listed for retaking. In the case of electives, the retake may be appealed.
- Control of resittings.
(A limited is placed on a number of exam retakes students may sit.).
- Satisfaction of conditions for registration for the next semester
The sum of credits for the past semester/year/period of study including parallel courses, checks of exam retakes).
- Change of the marking system to the A-F scale, unification of academic performance averages and percentiles to the weighed credit system
- Fully electronic registration for the next semester
(IS will check if conditions have been met, students ask to be registered, the attendance office performs the registration en bloc, students do not need to appear in person in the Dean's office)
- Automatic registration of subjects
(Straightforward registrations are performed automatically, and they can be easily cancelled during the official registration period. At the beginning of each semester, students are asked to electronically confirm the final

registration of subjects. It is no longer necessary for them to personally appear in the attendance office.)

- Attendance control
(An extensive administrative agenda that allows study plans to be defined according to specific conditions, e.g. the number and type of courses, number of credits. An automatic control of whether the student in question is allowed to sit for the state final exams.

ADMISSIONS PROCEDURES

- Application adjustments
Various adjustments were made annually according to new requests from faculties. Payment processing changed, applications for the financial accounting department of the RO were developed
- Various admissions proceedings
In 2003, the e-application form was used in all admissions procedures for doctoral degree and life-long education programmes.
- Academic aptitude testing
For this unified university entrance examination, the IS MU offered the opportunity to allocate applicants to different exam dates, to publish their scanned answer sheets, use different versions of the test and enter correct answers. For proceedings in 2004/2005, the date selection in the e-application form has been modified.

E-ELECTIONS

This section offers the possibility to undertake questionnaire surveys and select candidates. Two levels of e-elections are distinguished. The "important" elections are supported by the university and the users are invited to take part in them. "Ordinary" elections are in fact surveys that anybody can organize without causing any problems.

SMALL INFORMATION SYSTEM

Offers access to IS MU services from, e.g., the mobile phone. Students and teachers may access basic information, e.g., marks, timetables, exam dates, content of note pads, without fully logging in from a computer equipped with a standard web browser.

OTHER APPLICATIONS AND MODIFICATIONS

- The division of sports courses into core and elective: The system now automatically decides if the student has gained enough PE credits. (If he has, he may only attend supplementary PE courses with available capacity.)
- Printing of assignments for final papers
- Bulk-type application for the division of students into semestral groups
- A new version for the acquisition of publications for the RIV, and new possibilities for outputs
- Checking of dates for exams (allows teachers with too few exam dates to be contacted)
- Adjustments to the Notice Board: News on the Notice Board are now of two types: important news appear on the title page, and the less important news can be accessed by clicking. That allows more notices to be posted. The

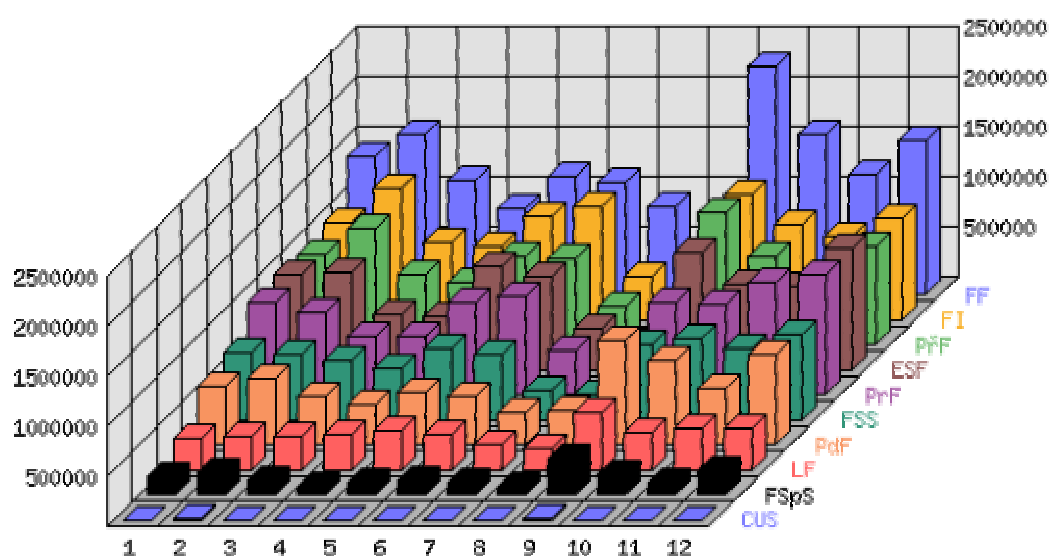
demand for this service still exceeds the extent planned for it, and next year the service will therefore be extended together with the upgrading of the Document Server. This will give clients an opportunity to use as many groups/boards as they wish.

Quantitative characteristics as well as feedback from clients show a growing use of services provided by the Information System. There is a growing demand for new types

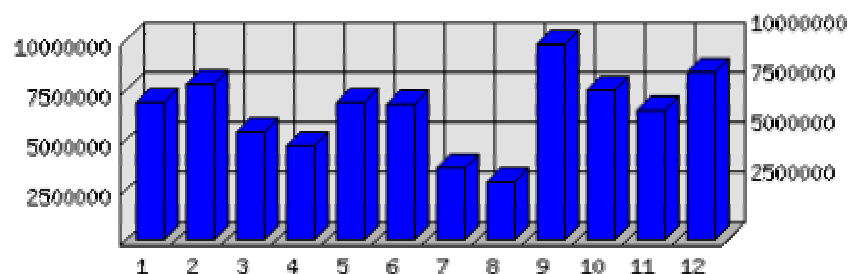
of services (more support to control over doctoral degree study programmes, more support to English-speaking students, etc.). Work has started on support to e-learning (use of data storage for study materials and communication tools necessary for on-line learning). The system overloading during time competitions remains a problem. The load is now being spread by a system of registration waves (students who need fewer credits to complete their study have priority).

Graph showing the use of the MU Information system in 2003

The horizontal axis shows the months of the year and the vertical axis shows the number of web pages opened at is.muni.cz in a particular month. Only cases of authorized assess are shown, as per individual faculty:



Total number of authorized log-ins in individual months:



PROVIDING INFORMATION ACCORDING TO FREE ACCESS TO INFORMATION ACT 106/1999 SB.

Due to the character of Masaryk University Brno as a public institution of higher learning, the provision of information is one of the most important (and in certain cases, the most frequent) activities.

The majority of provided information was orally requested directly of MU employees according to their positions in relation to the requested information. Therefore, in compliance with § 13 of the law, these requests (because of the nature of the question) are not documented.

Rules for the submission of written requests for information in compliance with Article 5, Par. 1 b) of the law were published at <http://www.rect.muni.cz/statut/postinf.htm>.

In 2003, 520 written requests for information were submitted. Of these, only one was on paper, the rest were all in an electronic form.

In six cases, the information required had nothing to do with MU, and this fact was communicated to the inquirer. In 162 cases, the requests concerned information already published by MU, and the inquirers were usually only given relevant Internet addresses with the information.

In 352 cases, the information requested was prepared and delivered to the inquirer within the statutory period.

In 2003, no appeals were made against decisions to refuse the requests for information, and no trial was held against MU regarding any non-provision of information requested according to the Free Access to Information Act. In the same period, no sanctions were taken against MU or any of its employees for any alleged non-compliance with the law.