



MASARYK UNIVERSITY IN BRNO

**ANNUAL ACTIVITY
REPORT**
2004



MASARYK UNIVERSITY IN BRNO



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ISBN 80-210-3704-0

ISBN 80-210-3693-1 (Czech. ed.)





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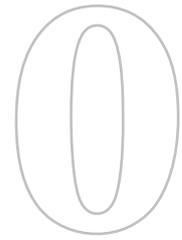
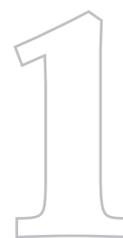


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Foreword



Masaryk University in Brno first published an Annual Activity Report ten years ago (in 1994), rather earlier than this requirement was imposed on universities by the law. Thanks to this, a significant amount of data is already available to compare and follow continual development of Masaryk University in Brno since the former half of 1990s.

I emphasize the word “continuity” in the context of the publication of the eleventh annual report, which provides information about the educational and research activities of our university in 2004. As last August the second term of the office of Rector Jiří Zlatuška was completed, this annual report mostly covers the achievements of Masaryk University in Brno in the last period of successful activity of the former Rector. Comparing all of the annual reports issued so far, reports submitted since the mid 1990s by three different rectors, one can clearly see the dynamic qualitative as well as quantitative development of our university, together with the continuity of our aims and efforts leading to the creation of a modern university capable of international comparisons in the fields of research and teaching.

Significant events of 2004 certainly include the commencement of the construction of the university campus in Brno-Bohunice. The ceremonial laying of the foundation stone and the rapid progress of the first stage of work (the so called ILBIT) were preceded by years of hard work and preparation. At the same time, they demonstrate that the idea of a university campus, dreamt of by generations of academic staff, is becoming reality. In the context of the construction and complicated preparations of further parts of the campus the demand on the university management grew and individual university representatives and administrative staff members had to reckon with such demands in addition to their usual daily routine. It is therefore encouraging that the campus construction commencement has in no way weakened the quality of the teaching and research activities of the school. On the contrary, the new campus offers the prospect of a new impulse in teaching and research with the better spatial and material conditions provided.

Masaryk University in Brno needs these improvements, the more so in that in 2004 there were extraordinary numbers of applicants for enrolment. Thus last year we had more applicants than any other Czech university, despite the relatively low chances for acceptance in comparison to the other universities. At the end of 2004 the current success of the university proved to be due not only to the attractive system of study and quality teaching but also to the fact that Masaryk University in Brno has been very successful in terms of its ability to successfully compete for research grants, thus proving its leading position among Czech universities and its rightful bearing of the title of research university.

The fact that the “reputation of the university is merited” has also been stated by the evaluation team of the European University Association in its evaluation report, the output of a profound international evaluation undergone by Masaryk University in Brno in 2004. The report includes a number of recommendations concerning integration and coordination processes taking place at the university, and the evaluation team concludes that “education and research offered by the university distinguishes itself with exceptionally high standards”. The data included in the present annual report may only partly capture the versatility of the university life and activities of the members of the academic community. You must not forget that the figures mentioned below and limited information do not fully reveal the particular activities of individual staff members and students of the university, without whom, their motivation, activity and efforts, the annual report of the university for 2004 would never have been so favourable.

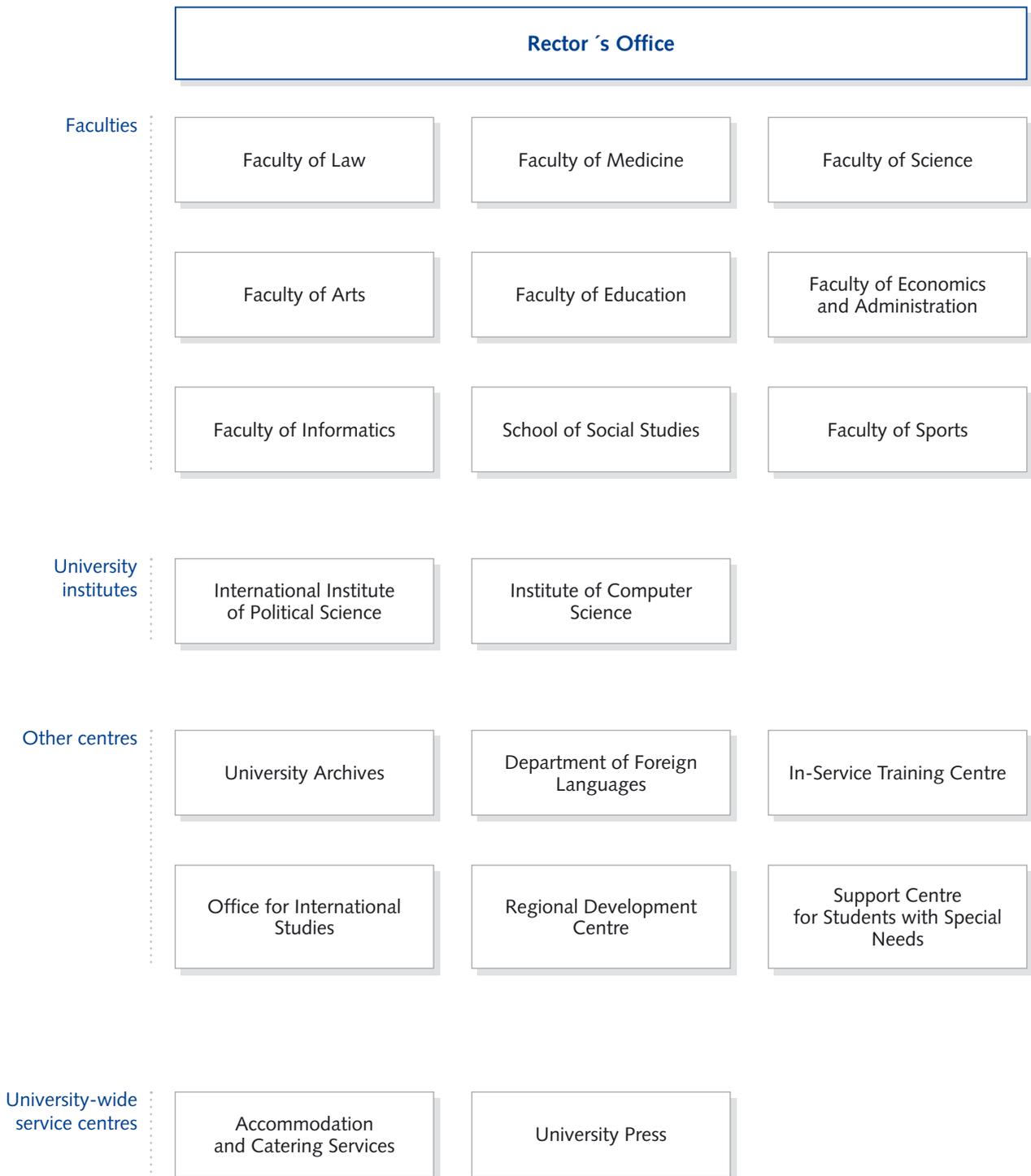
Petr Fiala, Rector





Organization Structure

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UNIVERSITY MANAGEMENT

1 January 2004 – 31 August 2004

Prof. RNDr. Jiří Zlatuška, CSc.
Rector

Prof. RNDr. Eduard Schmidt, CSc.
Vice-Rector for Research and Development

Prof. MUDr. Zuzana Brázdová, DrSc.
Vice-Rector for Academic Affairs

Assoc. Prof. JUDr. Zdeňka Gregorová, CSc.
Vice-Rector for Student Social Care Matters
and Publishing

Prof. RNDr. Jan Slovák, DrSc.
Vice-Rector for Strategy and Development
since 16 March 2004

Ing. Ladislav Janíček, Ph.D., MBA
Bursar

Mgr. Iva Zlatušková
Registrar

Prof. MUDr. Jindřich Vomela, CSc.
Chair of MU Academic Senate

1 September 2004 – 31 December 2004

Prof. PhDr. Petr Fiala, Ph.D.
Rector

Assoc. Prof. Ing. Antonín Slaný, CSc.
Vice-Rector for Social and Economic Affairs

Prof. RNDr. Jana Musilová, CSc.
Vice-Rector for Research and Development

Prof. MUDr. Zuzana Brázdová, DrSc.
Vice-Rector for Academic Affairs

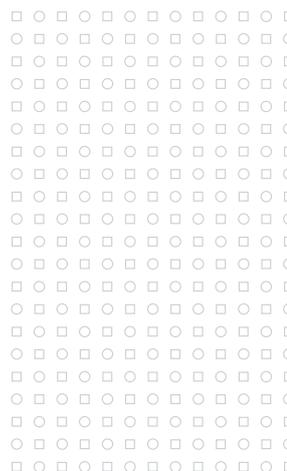
Prof. RNDr. Jan Slovák, DrSc.
Vice-Rector for Strategy and Development

Assoc. Prof. PhDr. Mikuláš Bek, Ph.D.
Vice-Rector for External Relations

Ing. Ladislav Janíček, Ph.D., MBA
Bursar

Mgr. Iva Zlatušková
Registrar

Prof. MUDr. Jindřich Vomela, CSc.
Chair of MU Academic Senate





Board of Trustees



RNDr. Petr Duchoň, Mayor of Brno and Vice of European Parliament
President of Board of Trustees until 16 January 2004

MUDr. Alena Štětková, CSc., Advisor to Director for Strategy and Progress
of St. Anne 's University Hospital
Member since 20 January 2004, President since 2 April 2004

Ing. Ondřej Felix, CSc., President of Association for Information Society

Ing. Václav Hanke, CSc., Head of Department of Research and Development Programmes,
Ministry of Education, Youth and Physical Training of the Czech Republic

Ing. Bohdan Hejduk, Head of State Budget Department,
Ministry of Finance of the Czech Republic,
since 16 March 2004

Ing. František Hronek, CSc., Government Council for Research and Development,
Office of the Government of the Czech Republic

Ing. Stanislav Juránek, Governor of the region of South Moravia

ThDr. et Ing. Lukáš Evžen Martinec, Abbot, St. Augustine Order Abbey, Old Brno

Assoc. Prof. MUDr. Jaroslava Moserová, DrSc., Senator, Parliament of the Czech Republic
until 19 January 2004

JUDr. Otakar Motejl, Public Ombudsman

Ing. Jaroslav Mráz, Consultant, ICZ a. s., Prague

Prof. MUDr. Peter Mráz, DrSc., Vice-Dean of Faculty of Medicine,
Comenius University, Bratislava

RNDr. Luděk Niedermayer, Vice-Governor, Czech National Bank, Prague

PhDr. Martin Profant, Head of Analytical-Conceptual Department,
Ministry of Education, Youth and Physical Training of the Czech Republic

Prof. Jan Sokol, CSc., Ph.D., Dean of Faculty of Humanities,
Charles University, Prague

JUDr. Eliška Wagnerová, Ph.D., Vice-President of Constitutional Court
of the Czech Republic
until 15 March 2004

Mgr. Bohuš Zoubek, Director of State Philharmonic of Brno

Research Council

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1. MEMBERS

1 January 2004 – 31 August 2004

Internal members:

Prof. JUDr. Josef Bejček, CSc.
Faculty of Law

Prof. Ing. Ladislav Blažek, CSc.
Faculty of Economics and Administration

Prof. MUDr. Zuzana Brázdová, DrSc.
Faculty of Medicine

Prof. MUDr. Rostislav Brzobohatý, CSc.
Faculty of Science

Prof. PhDr. Petr Fiala, Ph.D.
School of Social Studies

Prof. MUDr. Bohumil Fišer, CSc.
Faculty of Medicine

Assoc. Prof. RNDr. Milan Gelnar, CSc.
Faculty of Science

Assoc. Prof. JUDr. Zdeňka Gregorová, CSc.
Faculty of Law

Prof. RNDr. Jozef Gruska, DrSc.
Faculty of Informatics

Prof. RNDr. Josef Humlíček, CSc.
Faculty of Science

Assoc. Prof. PhDr. Michal Charvát, CSc.
Faculty of Sports

Prof. PhDr. Jiří Kroupa, CSc.
Faculty of Arts

Prof. RNDr. Hana Librová, CSc.
School of Social Studies

Prof. MUDr. Jindřich Lokaj, CSc.
Faculty of Medicine

Assoc. Prof. RNDr. Luděk Matyska, CSc.
Faculty of Informatics

Prof. PhDr. Ivo Možný, CSc.
School of Social Studies

External members:

Prof. MUDr. Michal Anděl, CSc.
Charles University in Prague

PhDr. Ondřej Hausenblas, CSc.
Charles University in Prague

Assoc. Prof. Ing. Ivan M. Havel, CSc., Ph.D.
Charles University in Prague

Prof. JUDr. Pavel Holländer, DrSc.
Constitutional Court of the Czech Republic

PhDr. Jana Horváthová
Museum of Romany Culture

Prof. RNDr. Václav Hořejší, CSc.
Academy of Sciences of the Czech Republic

Assoc. Prof. PaedDr. Vladislav Mužík, CSc.
Faculty of Education

Prof. Ing. Pavel Ondrčka, CSc.
Faculty of Economics and Administration

PhDr. Jan Pavlík
Faculty of Arts

Prof. MUDr. Ivan Rektor, CSc.
Faculty of Medicine

Prof. RNDr. Jiří Rosický, DrSc.
Faculty of Science

Prof. RNDr. Eduard Schmidt, CSc.
Faculty of Science

Prof. MUDr. Jarmila Siegelová, DrSc.
Faculty of Medicine

Prof. RNDr. Vladimír Sklenář, DrSc.
Faculty of Science

Assoc. Prof. Ing. Antonín Slaný, CSc.
Faculty of Economics and Administration

Prof. RNDr. Jan Slovák, DrSc.
Faculty of Science

Assoc. Prof. JUDr. Jan Svatoň, CSc.
Faculty of Law

Prof. PhDr. Rudolf Šrámek, CSc.
Faculty of Education

Prof. MUDr. Jiří Vácha, DrSc.
Faculty of Medicine

Prof. MUDr. Jiří Vorlíček, CSc.
Faculty of Medicine

Prof. RNDr. Jiří Zlatuška, CSc.
Faculty of Informatics

Prof. MUDr. Jan Žaloudík, CSc.
Faculty of Medicine

Assoc. Prof. RNDr. Helena Illnerová, DrSc.
Academy of Sciences of the Czech Republic

p.g. Petr Jakeš, Ph.D.
Charles University in Prague

Assoc. Prof. RNDr. Stanislav Kozubek, DrSc.
Academy of Sciences of the Czech Republic

Prof. RNDr. Miroslav Liška, DrSc.
Brno University of Technology

Assoc. Prof. RNDr. Petr Kolář, CSc.
Ministry of Education, Youth and Physical Training of the Czech Republic

Prof. MUDr. et PhDr. Jana Mačáková, CSc.
Palacký University in Olomouc



2. ACTIVITY

The Research Council met 4 times in 2004. The regular items on the agenda included information and discussion about the activity of Masaryk University in Brno, discussion about proposals in the context of Professor appointments, and proposals for grants of honorary degrees of Masaryk University, and Gold and Silver Medals of Masaryk University. The Research Council discussed 13 proposals for professorial appointments approving 12 of them (one proceeding was discontinued).

Assoc. Prof. MUDr. Karel Cvachovec, CSc., Charles University in Prague,
Anaesthesiology, Intensive Medicine and Algesiology

Assoc. Prof. MUDr. Ivan Čapov, CSc., Surgery

Assoc. Prof. RNDr. Zuzana Došlá, CSc. DSc., Mathematics – Mathematical Analysis

Assoc. Prof. JUDr. Milana Hrušáková, CSc., Civic Law

Assoc. Prof. PhDr. Josef Krob, CSc., Philosophy

Assoc. Prof. RNDr. Radan Kučera, CSc., Mathematics – Algebra and Theory of Numbers

Assoc. Prof. PhDr. Petr Matějů, Ph.D., Anglo-American University in Prague,
Sociology

Assoc. Prof. RNDr. Vladimír Mikeš, CSc., Biochemistry

Assoc. Prof. Ing. Antonín Slaný, CSc., Economic Policy

Assoc. Prof. RNDr. Jan Šmarda, CSc., Molecular Biology and Genetics

Assoc. Prof. PhDr. Josef Unger, CSc., Anthropology

Assoc. Prof. PhDr. et PaedDr. Jindřich Vybíral, CSc., University of Applied Arts in Prague, Art History

Professorial and Associate Professorial proceedings and appointments

Table 1a Professorial and Associate Professorial appointments discussed by Research Council of Masaryk University in 2004
Professorial and Associate Professorial proceedings completed in 2004

	Professors			Associate Professors		
	Total	Out of that MU	Discontinued	Total	Out of that MU	Discontinued
FoL	1	1	0	3	2	1
FoM	2	1	0	8	7	1
FoS	5	5	0	25	16	4
FoA	3	1	1	6	5	1
FoE	0	0	0	9	2	2
FoEA	1	1	0	0	0	0
FoI	0	0	0	2	2	0
SoSS	1	0	0	3	2	0
FoSp	0	0	0	2	2	0
Total	13	9	1	58	38	9

Mean age of professorial appointees is 51.6 years, the age groups ranging between 44 and 65 years.

Mean age of associate professorial appointees is 45.3 years, the age group ranging between 32 and 58 years.

Table 1b Professorial and Associate Professorial proceedings and appointments at MU – Total numbers

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Professors	16	18	13	18	11	30	22	25	24	13
Mean age	–	57.1	54.9	54.6	49.6	54.6	50.7	52.4	51.1	51.6
Associate Professors	55	62	57	69	46	42	24	40	39	58
Mean age	–	48.9	48.2	48.0	45.1	48.9	46.2	45.8	47.9	45.3



Academic Senate



1. MEMBERS

Prof. MUDr. Jindřich Vomela, CSc.
President

Employee Chamber

Faculty of Law

JUDr. Filip Křepelka, Ph.D.

Mgr. Josef Kotásek, Ph.D. – until 21 April 2004

JUDr. Jana Jurníková, Ph.D. – since 22 April 2004

Assoc. Prof. JUDr. Michaela Židlická, Dr. – until 30 June 2004

Assoc. Prof. JUDr. Milan Galvas, CSc. – since 17 December 2004

Faculty of Medicine

Prof. MUDr. Ivo Šlapák, CSc.

Prof. MUDr. Anna Vašků, CSc.

Prof. MUDr. Jindřich Vomela, CSc.

Faculty of Science

Assoc. Prof. RNDr. Zuzana Došlá, DrSc. – until 30 August 2004

Assoc. Prof. RNDr. Zdeněk Ondráček, CSc.

– since 1 September 2004

Assoc. Prof. RNDr. Jan Celý, CSc.

RNDr. Miroslav Kolář, CSc.

Faculty of Arts

PhDr. Jarmila Bednaříková, CSc.

Assoc. Prof. PhDr. Michaela Soleiman pour Hashemi, CSc.

Jeffrey Alan Vanderziel, B.A.

Faculty of Education

Assoc. Prof. RNDr. Svatopluk Novák, CSc.

PhDr. Blanka Knopová, CSc.

Prof. RNDr. Vladislav Navrátil, CSc.

Faculty of Economics and Administration

Prof. Ing. Ladislav Blažek, CSc.

RNDr. František Čámský

RNDr. Dalibor Mordvanský, CSc.

Faculty of Informatics

Assoc. Prof. RNDr. Mojmír Křetínský, CSc.

Assoc. Prof. PhDr. Karel Pala, CSc.

RNDr. Tomáš Pitner, Ph.D. – until 20 September 2004

Aleš Horák, Ph.D. – since 21 September 2004

School of Social Studies

Assoc. Prof. PhDr. Lubomír Kostrůň, M.A. CSc.

PhDr. Jan Holzer, Ph.D. – until 4 April 2004

PhDr. Petr Suchý, Ph.D. – since 5 April 2004

Mgr. Jan Mareš

Faculty of Sports

Assoc. Prof. PhDr. Josef Pavlík, CSc.

Assoc. Prof. PhDr. Aleš Sekot, CSc.

PaedDr. Věra Večeřová

University-wide centres

PhDr. Hana Reichová, Ph.D. – since 23 April till 30 April 2004

Assoc. Prof. RNDr. Václav Račanský, CSc. – since 1 November 2004

RNDr. Miroslav Kolář, CSc.

PhDr. Karel Pančocha, B.A. – until 30 June 2004

Mgr. Lukáš Maňásek – since 13 December 2004

Vice Presidents

Student Chamber

Faculty of Law

Dan Dvořáček – since 1 January 2004

Martin Kašpar

Faculty of Medicine

Lucie Kavalcová

Luba Gabrhelová

Faculty of Science

Mgr. Erik Caha – until 19 April 2004, since 8 June 2004

Mgr. Radek Brynda – since 26 April 2004

Jan Mysliveček – until 7 June 2004

Faculty of Arts

Kateřina Haklová

Jindřich Kačer – until 9 March 2004

Mgr. Jan Špaček – since 10 March 2004

Faculty of Education

Petr Poláček

PhDr. Karel Pančocha, B.A. – until 30 June 2004

Bc. Romana Zbořilová – since 26 October 2004

Faculty of Economics and Administration

Eduard Bakoš

Juraj Žiak

Faculty of Informatics

Mgr. Lukáš Maňásek

Mgr. Silvie Skřivánková – until 30 June 2004

Bc. Vladimír Pečený – since 1 November 2004

School of Social Studies

Roman Chytilík – until 30 October 2004

Jiří Jeřábek – since 18 November 2004

Mgr. et Mgr. Jiří Nantl

Faculty of Sports

Zdeněk Píkrýl

Barbora Zuchová

2. ACTIVITY OF THE ACADEMIC SENATE

Work of the Academic Senate (AS)

During 2004 AS continued its activity in compliance with the Statute of Masaryk University. One of the main tasks was the election of Rector for the term of office 2004–2007. The election was carried out in compliance with the Election and Action Rules of the AS. Following the Rules a meeting of the academic community MU was summoned and the candidates were introduced. The election consisted of three rounds in two days. The result of the election was the appointment of Prof. PhDr. Petr Fiala, Ph.D., Dean of School of Social Studies of MU.

The president of AS together with the former Rector, Prof. RNDr. Jiří Zlatuška, CSc., took part in the ceremonial appointment of the Rector of MU, Prof. PhDr. Petr Fiala, Ph.D., by Václav Klaus, President of the Czech Republic. The appointment ceremony took place at Prague Castle. The ceremonial inauguration of the new Rector was then carried out in the context of a meeting of the academic community of MU held on 22 October 2004.

The main issues dealt with by the AS in 2004 included legislative matters. One of them was the length of membership of students in the AS with regard to the multi-level system of university study (continuous programme beginning with Bachelor course, continuing with Master course and completed with Doctoral course). This issue will continue to be discussed by the AS and its legislative commission in 2005.

Another main issue of AS activity was the construction of the university campus in Brno-Bohunice (UCB). The Academic Senate required and received regular reports on the development of all issues concerning this matter. Discussions about reports from MU representatives responsible for UCB construction became an integral part of AS meetings. The contents of a separate chapter concerning UCB construction on the MU web site was regularly updated to make

the information available to all members of the academic community. This information was also communicated at academic meetings of MU. The AS considers the construction of the university campus significant for the whole university, and therefore emphasizes its rationality and promise of better economy of operation.

The AS President, or Vice-President, when needed, took part in Rector's meetings and university management meetings. In relation to the individual faculties the AS preferred direct cooperation with the faculty senates.

Activity of Commissions

The AS formed two working groups – the Economic Commission, headed by RNDr. Tomáš Pitner, PhD. (FoI), who, when later appointed Vice-Dean of Faculty of Informatics, was replaced by RNDr. Miroslav Kolář, CSc., and the Legislative Commission, headed by Bc. Jiří Nantl (SoSS), replaced in the course of the year by JUDr. Filip Křepelka (FoS). The agenda of both commissions of AS MU from the very beginning was active cooperation both with the university management and with the academic senates of the individual faculties.

From the very start of its activity the Economic Commission of AS focused on budgeting rules and budget withdrawals at MU. The AS received regular detailed information about the economy of the university, including standpoints discussed with the individual faculties and MY administration.

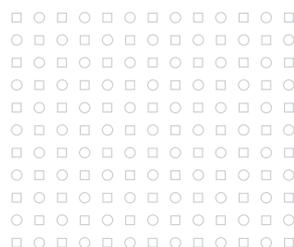
The tasks sets forth by members of AS and the Economic Committee included punctual preparation of budgeting rules for 2005 for the AS to be able to approve them in January 2005. The task was accomplished.

Legislative Commission of AS prepared regular analyses of the newly submitted university regulations.

3. STUDENT CHAMBER

The President of the Student Chamber of the AS, PhDr. Karel Pančocha, B.A. (FoL) was replaced by Mgr. Lukáš Maňásek in the course of the year.

The Student Chamber of the AS worked not only as part of the AS but also as institution representing students of the academic community of the university.





Science and Research



1. ORIENTATION OF SCIENCE AND RESEARCH

Masaryk University in Brno is a typical research university in the orientation and symbiosis of its activities. This is evidenced by a tight relationship between science and research on the one hand and teaching in the context of the numerous doctoral and master courses on the other, and by a number of successfully implemented scientific and research projects within a wide range of subjects developed at the university. In addition to the traditionally successful branches of natural science and medicine the university has recently noted significant growth of research activity in other fields – the humanities, economics and law.

Faculty of Law

In the field of scientific research permanent emphasis is laid on interconnections of the national and the European context of the studied problems. This trend also manifests itself in the approach to grant projects focusing on the issues of the current development stage of legislation concerning external business relationships of the EU, competition policy and mergers in the Czech and the European context, or the international and the European legal and ethical standards of medical research. The European context of Czech legal history has become priority of the research activity of the faculty for the coming years. There are, though, other subjects to which equal attention has been devoted. The successfully accomplished projects include research into delinquent women and bankruptcy right of the Czech Republic, to name just a few.

In 2004 the 6th national student scientists' competition took place, focusing on the fields of European, international, private and public law. The increasing significance of the competition was further supported by the Supreme Court, the Supreme State Representation, the Office of Public Ombudsman and practical attorneys, who included special themes to the competition.

Faculty of Medicine

Research activity at the Faculty of Medicine is developed in theoretical institutes by means of projects of the Grant Agency of the Czech Republic and other agencies, and in the healthcare field by participation of members of the academic community in preclinical and clinical studies of

the Ministry of Healthcare of the Czech Republic which take place either at the faculty or in the numerous university hospitals. Research priorities included in the research projects include the molecular pathogenesis of the main civilisation diseases, cardiovascular disorders, malignant tumours and neural science. Further activities aimed at the concentration of the most advanced and prospective programmes of biomedical research include the creation of an environment for innovation and support for academic activities in the field of biomedicine. These programmes are developed in close cooperation with the Faculty of Science in the context of the coordinated progress of both faculties in the construction of jointly used ILBIT laboratories on the premises of the new university campus. The implementation of modern teaching methods and trends in the field of bioinformatics is normally secured by development programmes of the Ministry of Education, Youth and Physical Training of the Czech Republic.

Faculty of Science

The Faculty of Science is the most productive faculty of Masaryk University in Brno. The faculty mainly supports focused research which best stimulates the harmonious progress of the individual natural sciences. Part of the research capacity is also devoted to non-specific research linked with doctoral courses. The principal scientific and research activity of the faculty follows long-term trends of the individual main subjects, including biology, physics, Earth studies, chemistry and biochemistry and mathematics.

Biological research focuses on the monitoring of temporal-spatial changes of diversity of populations and communities of higher plants and animals, growth and stress physiology of plants in relation to the environment and complex molecular biological analysis of genomes of representatives of the main groups of organisms. Physical research focuses on material and plasmatic applications, astrophysics and theoretical physics. Earth studies focus on geological processes together with biotic development in geological history, current environmental issues, the creation of spatial geo-information infrastructures, the development of methods of cartographic geological visualisation and geographical and environmental studies of Antarctic vegetation oases. Chemical research

includes the study of chemical and physical properties of compounds, structural analysis, organic and inorganic synthesis, environmental chemistry, computer modelling of chemical processes, and biochemical studies deal with the relationships between the structure and function of bio-molecules and their roles in metabolism or enzyme studies. Mathematical disciplines study functional differential equations and mathematical-statistical models and mathematical structures of algebra and geometry, including applications in informatics and physics.

Faculty of Arts

The research activity of the faculty is quite broad, ranging from research into particular issues of clinical psychology through traditional archaeological research at major South Moravian historic sites, research into major periods of Bohemian and Central European history and art history, linguistic and literary research (within a wide range of languages of Antiquity up to the present) and to philosophical interpretations of the major phenomena of our times. The significance of academic research performed at the faculty keeps increasing, especially in the fields of archaeology, history, art history and classical philology, reflected in newly awarded research projects. Grant projects currently deal with ethical issues of psychological diagnostics, the philosophy of history, Czech philosophy of 1939–1945, the religious roots of Romantic philosophy, gnoseology at the beginning of the 21st century, Czech history under the rule of Václav II, condition of Moravian towns after Thirty Years' War, civilisation and art of the Baroque, musical lexicography and hymnology, history of Czech language studies, Canadian literature in the French language, socio-cultural transformations of the Czech village and research into current interactive media.

Faculty of Education

Research and development at the Faculty of Education stems from its main task, which is the preparation of future teachers for teaching at all types and levels of education. Consequently, the research activity focuses on education and pedagogical disciplines such as pedagogy, didactics, branch-specific didactics, special pedagogy, social pedagogy and pedagogic psychology. In addition experts of individual departments focus on research within the individual branches, including history, German language, biology, geography, mathematics, didactic technology, both within the research teams of the faculty and in cooperation with other universities or research institutes. The unique academic activities performed by the faculty include the annual summer archaeological research at the Great Moravian fortress of St. Hypolite in Znojmo. No less important are the artistic activities of music and art department teachers. However, pedagogical and educational disciplines still remain the first priority.

Faculty of Economics and Administration

The research orientation of the faculty is based on its subject structure and profile, covering mainly the following five broad fields: systemic and institutional projects of the transformation process, analysis of macroeconomic development and primary economic characteristics, structural aspects of Czech economic history, the effect of monetary policy and external shocks on the limited openness of the economy, the history of economic thinking in Moravia, the history of financial and economic relationships in Moravia, the financial system of the Czech Republic, transformation of the financial sector of the Czech Republic, organisational structures of companies and company economy, company performance assessment, use of human resources within the company, development of financial management of the company under the conditions of European economic integration, support for SME, unemployment, effectiveness in the public sector, functioning of the non-governmental non-profit sector, regional development and its economic aspects.

Faculty of Informatics

The scientific activity of the faculty is concentrated in research laboratories: HCILAB – Man-Computer Interaction Laboratory, Optical Microscopy Laboratory, NLP – Natural Tongue Processing Laboratory, Paradise – Parallel and Distributed System Laboratory, LSD – Speech and Dialogue Laboratory, Sitola – Advanced Network Technology Laboratory, Knowledge Search Laboratory, LEMMA – Electronic and Multimedia Application Laboratory, and Graphic Design Studio.

In 2004 the faculty worked on three research projects and a number of grant projects of the Grant Agency of the Czech Republic, the Grant Agency of the Academy of Science of the Czech Republic and other branch-specific agencies, including the National Security Institute, the Ministry of the Environment of the Czech Republic and the Internal Grant Agency of the Ministry of Healthcare of the Czech Republic."

School of Social Studies

The scientific and research activity of the faculty prioritises the issue of social transformation. Studies concentrate on the following thematic fields: social exclusion, ethnic issues, minority issues, marginalised groups; demographic trends, children, youth and family issues – development trends, social relationships and correlations, social consultancy, social and intervention programmes; sociological, political and psychological reflections of identity. Social, cultural and institutional conditions of active citizenship, political theory, political systems, European integration, European awareness of political system players, employment policy, social policy and social programmes, the communal policy of social services and labour programmes for the Romany community, social service culture, humanitarian aspects of the environment.





Faculty of Sports

Faculty of Sport Studies focuses on the field of kinanthropology – a branch of science dealing with human mobility in the widest sense. Kinanthropology is a multidisciplinary field related to a number of other branches of science – bio-mechanics, psychology, sociology, physiology, medicine – interwoven with them, the overlap being represented by human motion. Research focuses on the following three basic and preferred issues of kinanthropology – structural and developmental kinanthropology, social, cultural and pedagogic kinanthropology and medical kinanthropology. Applied research brings important practical experience for sports and mobility at school and in leisure time, for healthy and handicapped persons of all age groups and performance levels.

Institute of Computer Science

Research and development at the Institute of Computer Science – university institute of Masaryk University - has long been focused on the following four preferred fields: digital libraries and their applications, large-scale distributed computer and data systems – grids; application of information and communication technologies (ICT) for collection, transfer, processing, archiving of and access to digitalised medicinal image information, and development of special devices on the basis of programmable hardware.

International Institute of Political Science

The activity of the International institute of Political Science (IIPS) of Masaryk University of Brno – university institute of Masaryk University – in 2004 focused mainly on publication activity, and the organisation of professional seminars and conferences. Thus IIPS acts as coordinator of research projects in the field of political science, providing the possibility of qualified output (conferences, publications etc.). In-house research activity of the institute focuses on study and research of European integration in its institutional, process and content relationships, the history of European integration, development of individual policies and the issue of EU extension by accession of Central and South-East European countries.

Centre for Regional Development

The research activity of this interdisciplinary research centre in 2004 focused on the processing of complex and case studies focusing on interdisciplinary solutions of regional development issues for the purpose of state administrative authorities and self-governing authorities (regional and municipal councils – especially the region of South Moravia and the statutory city of Brno). Case studies dealt with survey assessment (employment, business environment, travel and recreation, retail). Some studies were prognostic. Special attention was paid to demographic prognoses.

2. INTERNATIONAL COOPERATION IN RESEARCH AND DEVELOPMENT

One of the preconditions of research success is effective cooperation between research teams. The research centres of Masaryk University in Brno permanently collaborate with international institutions dealing in science and research and development, including but not limited to universities, as well as research institutes for whom education is not the primary focus. Most of these collaborative relationships are contract-based, but there are also many examples of informal cooperation leading to joint publications of results, organisation of international conferences, seminars and other professional events.

Faculty of Law

In 2004 the faculty workplaces traditionally co-organised scientific conferences and seminars on key issues of the individual fields of law. The events were attended by leading domestic and international experts from nine countries. Among them the major even was 14th National Conference with International Participation “Executive Power in Constitutional Law System of the Czech Republic”, held jointly by the Department of Constitutional Law and Political Science of Masaryk University and the Konrad-Adenauer-Stiftung. Faculty teachers and doctoral

students actively participated in scientific conferences and seminars abroad, received scholarships from outstanding institutions across Europe and the U.S.A., contributed to activities of international organisations and provided advisory service to the European Council bodies.

In 2004 the long-term cooperation with The John Marshall Law School of Chicago continued successfully. The contracting process with law faculties at Bialystok and Tmava approached successful completion.

Faculty of Medicine

The professional activity of the clinics and the Biological Statistics and Analyses Centre in 2004 included management of clinical studies and testing of new medicines and therapeutic modes in cooperation with international pharmaceutical companies. Traditional participation of workplaces of the faculty in international programmes of medicinal epidemiology and prevention continued successfully, and extended in number. Two workplaces contributed to the COST projects and another two were members of the project team for 6th framework programme of the EU. On the basis of bilateral contracts cooperation continued with universities in Dallas (South-western Medical School Dallas) and Birmingham (University of

Birmingham), including scholarships for students and teachers. One stay was financed from a joint scholarship provided by the Ministry of Education of the Czech Republic and the ministry of Education of the Irish Republic. Students of doctoral programmes visited international universities in the context of EU programmes (Erasmus), Marie Curie Fellowship and with the help of a scholarship of the Swiss Government offered by the Institute of International Services of the Ministry of Education of the Czech Republic. Cooperation was established with France in the field of double-supervision doctoral theses.

Faculty of Science

Wide international cooperation took form of exchange programme, joint research programmes, conferences, scholarships for young staff members and joint publications. In cooperation with international universities joint doctoral programmes were implemented together with post-doctoral scholarships for young international researchers at the faculty in Brno. Increased interest was shown in doctoral theses under double supervision on the basis of bilateral contracts. The faculty hosts visiting lecturers from abroad in the context of the newly developed programme called Innovation Lectures. In 2004 the faculty staff took part in EU research projects including INCO-COPERNICUS, KONTAKT, CEEPUS, Geo Graphical Information Systems International Group, TEMPUS, ERASMUS, LEONARDO, Barrande NATO – Science for Peace, Fogaarty.

Informal cooperation was very extensive with more than 200 international institutes and universities – joint publications, teaching cooperation, student and teacher exchanges, scholarships and personal contacts.

Faculty of Arts

The individual faculty departments traditionally cooperated with a number of international institutions, primarily universities. In the context of this cooperation teachers of the Brno faculty lectured at the partner institutes and contributed to partial research projects (history, classical philology, linguistics, mediaeval archaeology). The most prestigious included participation in the 6th „Round Table” on the ethnic genesis of South and Central Asia held by Harvard University in the U.S.A. (linguistics). Other major events included participation in international conferences in Vienna (mediaeval philology) or the organisation of international conferences in the Czech Republic (mediaeval archaeology, Czech-German history). International cooperation on the part of the faculty also manifested itself in inclusion of the faculty institutes and departments into the programmes Jean Monnet and Culture 2000.

Faculty of Education

In a wide range of scientific branches the faculty cooperated with international universities on a contractual basis, including the Association for Assistance to the Disaster-Stricken in Rheims,

the Pädagogische Hochschule Dresden, the Ernst-Moritz-Arndt-Universität Greifswald, the Hogeschool van Utrecht, IP Leiria, the Universidad de Cadiz, the Universitat Autònoma de Barcelona, the Comenius University of Bratislava, and the Matej Bel University in Banská Bystrica. Other contacts included informal professional cooperation. Negotiations also began with the University of Ljubljana on a project in the context of the 6th framework programme of the EU, Human Resources and Mobility. Other projects of international cooperation included AKTION, CEEPUS, Bilateral Czech-Slovak Scientific and Technological Cooperation, Jean Monnet Project 2001, Cytoskeleton and Cell Cycle of Yeast a Microtubule Effectors for Development of Cancerostatics in cooperation with the Institut für Molekulare Biotechnologie in Jenna, and contracts with SOCRATES/ERASMUS and SOCRATES/COMENIUS. Over 300 teachers and students received scholarships in 24 countries in the context of studies, international conferences and seminars.

Faculty of Economics and Administration

International cooperation on the part of the faculty focuses on universities. In 2004 the faculty developed active cooperation with the University of Economics in Bratislava, the Matej Bel University in Banská Bystrica, the institutions Akademia ekonomiczna in Krakow, the Akademia ekonomiczna in Katowice, and the Wirtschafsuniversität in Vienna. The focus of cooperation is represented by joint research with joint publications and textbook compilation.

Faculty of Informatics

International cooperation took the form of the participation of academic staff in international scientific conferences and international grant projects. The extension of international cooperation was represented by the involvement of staff members in the 6th framework programme of the EU – the faculty is a team member in two excellence network projects, NeO DELOS and NeO FIDIS, and subcontractor to two other projects. In 2004 a project of 5th framework programme, EU IST – BALKANET was completed. The faculty heads the international Timetabling project in cooperation with Purdue University, U.S.A., and the project of the German foundation Alexander von Humboldt-Stiftung. The faculty continued organisation of the traditional Information Colloquia featuring major national and international experts. A contract was agreed with Pisa University in the field of double-supervision doctoral theses.

School of Social Studies

The cooperation of the faculty with international institutions took the form of involvement of the faculty departments in European Union programmes and joint grant projects, including European Commission projects in the context of the Jean Monnet, LEONARDO, 5th and 6th



framework programmes of the EU. On the basis of contracts in the context of the SOCRATES/ERASMUS programme and other agreements numerous student and teacher exchanges, scholarships and visiting lectures took place. Staff members of the faculty are members of editorial boards of international journals, expert commissions, professional associations, and organisational boards of international conferences – including but not limited to the fourth “Conflict in Identities, Identities in Conflict” conference or the series of conferences organised in cooperation between the International Institute of Political Science of Masaryk University and the Konrad-Adenauer-Stiftung.

Faculty of Sports

International research cooperation of the faculty mainly takes the form of bilateral contracts, such as with the Institut für Sportwissenschaft der Otto-von-Quericke-Uni Magdeburg, Germany, or the Matej Bel University in Banská Bystrica, Slovakia, to name a few. Further cooperation includes the SOCRATES/ERASMUS and CEEPUS – CZ – 012 projects. In 2004 a number of international visiting lecturers delivered their lectures at the faculty. The most important of them included dr. Hillary Matheson Bed (Hons) MSc. DPE of the University of Wales, Newport, Great Britain, Vilma Medisauskaite, MSc. of the University of Vilnius, Lithuania, and dr. Dariusz Rutkowski of AWF Wroclaw, Poland (lecturing in the context of international projects of SOKRATES/ERASMUS and CEEPUS).

Organisational activities of the faculty with an international context included organisation of the international scientific conference on “Sports ad Quality of Life” and the international seminar of biathlon coaches. The events were attended by experts from Slovakia, Poland and Germany.

Institute of Computer Technology

International cooperation mainly involved engagement in European projects, participation at international conferences and summer schools and their organisation. The Institute of Computer Technology (ICS) took part in four projects of the 5th and 6th framework programme of the EU: DELOS – Digital Library Excellence Network (jointly with the Faculty of Informatics), CoreGRID – Excellence Network in Grid Field (with responsibility for one of the six research directions of the network: the virtual institute for grid information and monitoring services), GridLab (ICS was responsible for the operation and monitoring of the status of the international heterogeneous grid built and used by the project), SCAMPI – development of systems for passive monitoring of computer networks (ICS was invited as an institution capable of developing the respective devices with programmable hardware technology).

International Institute of Political Science

The institute developed a close partnership with the Konrad Adenauer Foundation. Thanks to the cooperation the institute organised a series of professional conferences, such as Regional Policy, EU Structural Funds – Perspectives and Methodology, Europe and the U.S.A. after 11 September 2001 or the international conference on the “Perspectives of Visegrad Cooperation in the Context of the EU Membership”. Cooperation with the Konrad Adenauer Foundation also focuses on publication support. In cooperation with the Information Centre of NATO in Prague, the Headquarters of the Army of the Czech Republic and the Jagello 2000 Association the IloPS organised in March 2004 a two-day conference on “Five Years in NATO: Military, Political and Social Aspects of Membership of the Czech Republic in NATO”.

3. COOPERATION WITH THE ACADEMY OF SCIENCES OF THE CZECH REPUBLIC, MINISTERIAL RESEARCH INSTITUTES AND NON-GOVERNMENTAL SECTOR

Research issues covered in the context of joint projects with the Academy of Sciences of the Czech Republic (AS CR) is a traditional element of cooperation between Masaryk University in Brno and the AS CR. The close link between the two institutions is further supported by the irreplaceable involvement of the institutes of the AS CR in the implementation of doctoral courses in many subjects. Scientific research nearly always has applied output. That is why there is successful cooperation between the university and ministerial and non-governmental institutions dealing with research or making use of its results.

Faculty of Law

Faculty teachers take part in projects of the Grant Agency of the Academy of Sciences of the Czech

Republic, including the ongoing project on “Legal Regulation of Finance and Assets of Regional Self-Governed Units”. The faculty was successful in the public tender of the Ministry of Foreign Affairs of the Czech Republic with two projects to be commenced in 2005. The tradition of cooperation with the high courts of the Czech Republic, the Constitutional Court of the Czech Republic, the Supreme Court of the Czech Republic and the Supreme Administrative Court, has continued, with many teachers active as judges, advisors or assistants to judges. A significant role is performed by cooperation with the Supreme Representative Body of the city of Brno, ministries and other central authorities. The faculty contributes to solutions of practical legal issues and the unification of legal interpretations, especially by means of experts

in the relevant fields, involvement in preparations of proposals for generally binding legislative acts and comments to them and participation in the process of creation of court judicature. Teachers are active in appeal commissions of ministries, take part in advisory activities of the Government Council of the Czech Republic for Human Rights and in activities of non-governmental national and international organisations.

Faculty of Medicine

The faculty has been involved in long-term close cooperation with the Bio-Physical institute of the Academy of Sciences of the Czech Republic in Brno, through common research interest in molecular biology and genetics. The faculty was involved in two projects financed by the Grant Agency of the Academy of Sciences of the Czech Republic and two projects of the Ministry of Agriculture of the Czech Republic. Traditionally good results were brought about by the concept of cancer studies and joint cancer research of the faculty and Masaryk Cancer Institute. There was also significant cooperation with the Traumatology Clinic of the Injury Hospital as a state hospital outside the scope of the university hospital. The institute represents top standards in traumatic surgery and intensive post-injury care. A leading position in the context of the Czech Republic is occupied by the Spinal Unit, including rehabilitation care of patients with spinal cord injuries.

Faculty of Science

Cooperation of the faculty with institutes of the Academy of Sciences of the Czech Republic focuses on joint research projects, also including reciprocal representation in scientific councils of research institutions, participation of staff members in dissertation opponent proceedings and editorial activities of journals and review publications in these journals.

There is intense cooperation with the AS CR in doctoral programmes, based on bilateral contracts with the individual AS institutes – the Mathematical institute in Prague, the Institute of Macromolecular Chemistry in Prague, the Astronomic Institute of Ondřejov and Brno institutions of AS CR, including the Biophysical Institute, the Hydro-Biological Institute, the Parasitological Institute, the Institute of Biology of Vertebrae, the Institute of Analytical Chemistry, the Institute of Physical Metallurgy, the Institute of Instrumental Technology. The faculty cooperated with the Research Institute for Veterinary Medicine and Masaryk Cancer Institute. Many of these institutes, together with the faculty, hold accreditations for medical study subjects.

Faculty of Arts

The individual departments cooperate with nearly all similarly oriented institutes of the Academy of Sciences of the Czech Republic. In the context of this cooperation they implement not only joint research, whose results are included in large monographs and syntheses published by academic

departments (art history, Czech language and literature), but also joint organisation of doctoral seminars and collegia. Some departments are traditionally involved in grant projects of the AS CR (ethnologic, linguistic and literary departments). There is also significant cooperation between the Institute of Pedagogical Sciences and state institutions (such as the Ministry of Labour and Social Affairs of the Czech Republic) and regional self-governments. Individual departments also cooperate with other research and public institutions, such as the National Conservation Institute.

Faculty of Education

The multi-subject faculty is involved in a number of joint projects with the Academy of Sciences of the Czech Republic and its departments, including the Psychological Institute, the Institute of Geonics, the Institute of Landscape Ecology, the Institute of Atmosphere Physics, the Botanical Institute, the Institute of Vertebral Ecology, the Institute of History, the Institute for Contemporary History, the Ethnological Institute, the Archaeological Institute, the Biophysical Institute and the Institute of Biology of Vertebrae. Cooperation also involves teaching activities.

Other research institutions closely cooperating with the faculty include the National Institute of Professional Education, the Pedagogic Research Institute, the Moravian Regional Archives, the Centre for Church History, the State Healthcare Institute, the Landscape and Decorative Gardening Research Institute, the Research Institute of Amelioration and Soil Protection, the Centre of Traffic Research, the Pedagogical Centre in Prague, and international institutions such as the Centre of Sea Biology Piran in Slovenia, the Institute of Geography and the Institute of Water and Environment Issues of the Siberian Department of the Russian Academy of Sciences, the Institute for Didactics of Natural Sciences in Kiel, Germany, the European Agency for Development in Special Needs Education in Denmark and a number of institutions in Slovakia.

Faculty of Economics and Administration

The faculty is involved in a number of research projects implemented together with the National Economy Institute and the Institute of Theory of Information and Automation of the Academy of Sciences of the Czech Republic. There is also long-term cooperation with research institutes and other institutions of state administration and self government, such as the Institute of Regional Development, the Trade and Economy Chamber in Brno, and the Regional Development Agency of South Moravia in Brno. In addition, cooperation has been initiated successfully in the field of projects implemented together with non-governmental non-profit organisations, with major active involvement of the Centre for Research into Non-Profit Sector of the faculty (CRNPS).





Faculty of Informatics

Faculty staff cooperate with the AS CR primarily in the field of joint projects. There is significant cooperation with the Biophysical Institute in Brno, the Institute for Czech Language, the Institute of Informatics and the Mathematical Institute. In addition to cooperation with the AS CR the faculty is involved in joint projects with the National Security Office, the J. Heyrovský Institute of Physical Chemistry, the University Hospital of Brno and the CESNET Academic Association. Cooperation with all of the above institutions is also manifested by reciprocal representation in scientific or subject councils, the participation of faculty staff members in dissertation opponent proceedings or membership in state examination juries.

School of Social Studies

In the context of solutions of individual themes and programmes the faculty departments cooperate with institutes of the Academy of Sciences of the Czech Republic, including the Psychological Institute of AS CR, the Sociological Institute of AS CR and others. Further research activities are developed in collaboration with ministerial departments of applied research, including the Research Institute of Labour and Social Affairs of the Czech Republic. There is also major cooperation with offices of regional and municipal self-government, especially with the South Moravian Regional Council or the Magistrate of the City of Brno. Cooperation with non-governmental organisations focuses mainly on the issues of social prevention and intervention, minorities, Romany community, creation and protection of the environment. Other joint activities include reciprocal representation in professional panels, dissertation opponent proceedings, editing of and reviews for professional journals.

Faculty of Sports

Cooperation with the Academy of Sciences of the Czech Republic focuses mainly on the project of the Grant Agency of the Czech Republic 2003–2005: Psychological Aspects of Further Education of Teachers. The project on “Abuse of Preparations with Doping Effects by Youth in Organised and Non-Organised Sports“ (MoE CR, 2004–2005) has been implemented jointly with the Anti-Doping Committee of the Czech Republic.

Institute of Computer Technology (ICT)

ICT has been involved in long-term close cooperation with the academic association CESNET, z.s.p.o. in the field of optical networks, virtual environment for cooperation, programmable hardware, development and administration of the Czech academic grid environment (MetaCentrum) and development of the network for national research and tele-medicine. In 2004 the institute was involved in implementation of five research projects of the CESNET Development Fund. It has also been involved in implementation of the seven-year research project of CESNET called

“Optical Network of National Research and its New Applications“, commenced in 2004. Long-term joint activities have been developed in cooperation with the National Library of the Czech Republic in Prague and concern development of infrastructure for Czech web harvesting and archiving. There is also extensive cooperation with hospitals across the Czech Republic concerning development of the MeDiMed system – metropolitan archives of digital medical image information (at the end of 2004 the archive itself, operated by the ICT, included nearly two million image files amounting together to 2.5 TB of data and used by hospitals in Brno and the surroundings).

International Institute of Political Science (IloPS)

In the context of the research project concerning safety issues IloPS has cooperated with the Jagello 2000 association. On the basis of this partnership IloPS has been professional guarantor of the Official Portal of the NATO Information Centre. The project has been implemented under the auspices of the Ministry of Foreign Affairs of the Czech Republic. In 2004 the institute established a six-month cooperation with the Ministry for Regional Development of the Czech Republic, providing professional counselling in the field of regional policy of the European Union.

Centre for Regional Development

The centre cooperated with GaREP, UAD Studio and the University of Logistics in the context of the project “Outdoor Space and its Enlivening – Specific Local Resources and Options of Their Use and Specific Local Concerns and Options of Their Solution (Application in NUTS 2 South-East region)“. This projects, coordinated by Masaryk University, covers the years 2004–2006 and is implemented in the context of the programme of the Ministry for Regional Development of the Czech Republic “Research for Regions”.

4. ASSESSMENT OF RESEARCH PROJECTS AND RESEARCH CENTRES

In addition to the numerous projects of the Grant Agency of the Czech Republic (GACR), other grant agencies and ministerial department, the team nature of the research work of the university is shown by the significant results of new research centres and their research projects. In 2004 there were 25 research projects that reached successful accomplishment and 2 research centres that were established. The quality of achievement of their teams is evidenced by the fact that for seven years in succession Masaryk University in Brno as the second most successful participant in competition for research projects, received institutional support for eighteen out of its 26 proposals. In 2005 four new basic and applied research centres will commence activity.

Faculty of Law

In 2004 the faculty prepared a research proposal entitled “The European Context of the History of Czech Law after 2004”. The proposal received a recommendation assessment by the inter-ministerial commission and institutional support. Its implementation represents the research priority of the faculty for the period 2005–2009.

Faculty of Medicine

In annual reports and evaluations by special commissions of the Ministry of Education of the Czech Republic four research projects of the faculty were assessed, concerning the field of molecular pathology of poly-genetically conditioned diseases, cardiovascular disorders, neural science and cancer studies, including carcinogenic risks. All of them received positive evaluation. The same themes were the subject of newly proposed research projects recommended or financed by multi-ministerial commissions of the MoE. Institutional support based on the final decision of the Ministry of Education for another seven-year period was received by research projects focusing on cardiovascular disorders and neural science. In the context of the National Programme for Research – “Research Centres 1M” – the faculty received finance for the construction and operation of its Dental Research Centre.

Faculty of Science

The research projects “Structure and Bond status, Properties and Analysis of Synthetic and National Molecule Ensembles”, “Structure-Function Relationships of Bio-Molecules and Their Role in Metabolism”, “Physical Properties of New Materials and Multi-Layer Structures”, “Geological Processes and Their Environmental Impact – Contact of Variscids and Alps”, “Temporal and Spatial Dynamism of Biological Diversity in Ecosystems of Central Europe”, “Genomes and their Function”, “Environmental Aspects of Shore Antarctic Oasis”, “Mathematical Structures of Algebra and Geometry”, “Quantum

Theory of the Field, Quantum Theory of Gravitation”, “Study of Plasmatic-Chemical Reactions in Non-Isothermal Low-Temperature Plasma and its Interactions with Solid Substance Surface” and “Functional-Differential Equations and Mathematical-Statistic Models”, significantly contributed to the enhancement of the research activity of the faculty. On their basis the faculty included two academic research centres in its organisational structure; the Biological Laboratory of Functional Genomics and Protheomics and the Physical Laboratory of Plasmatic Physics and Plasmatic Sources. All of the implemented research projects received positive assessment from the opponents and were successfully completed with opponent proceedings.

The National Centre of Bio-Molecular Research is a major scientific research centre of the faculty. The Centre is an economically independent research unit of the faculty with a key role in doctoral courses. Associated institutions are located at the Research Institute of Veterinary Medicine in Brno and at the Biophysical Institute of the Academy of Sciences of the Czech Republic. The organisational structure of the Centre makes it similar to the research centres of the Academy of Sciences. The principal research fields include study of the relationships between the structure and biological function of bio molecules. The key methodologies supported with top-standard equipment include spectroscopy of nuclear magnetic resonance (NMR) and computer modelling and simulation, as well as biochemical and microbial methods, methods of molecular biology and bio-informatics, protein engineering and the crystallography of bio-macro-molecules.

Faculty of Arts

In 2004 two research projects were completed in the field of archaeology and music studies and one contribution to the research centre focused on classical studies. The research project venue “Centre of Archaeological Research of Social Structures of the Antiquity to High Middle Ages” mainly took part in archaeological research in South Moravia. The results of the research were granted several awards. On the basis of the results of the project a thematically wider concept was proposed, involving mediaeval archaeology and based among other things on cooperation with the Faculty of Science. The project won institutional support and its implementation will be commenced in 2005.

The research project “Codex hymnologicus Bohemiae – Catalogue of Tunes of Single-Part Repertoire of Latin and Czech Church Lyrics of 14 to 18 Centuries” was specified in greater detail and successfully completed in the course of the last year. The share of the faculty in the work of the research “Centre for Work with Patristic, Mediaeval and Renaissance Texts” was also ac-





completed. Part of the research team involved in this completed project will continue to work on the new research project called “Research Centre for Central European History: Resources, Country, Culture”, mainly encompassing historic and art historic issues of the Central European Region.

Faculty of Education

In the years 1999–2004 the faculty dealt with the research project called “Teachers and Health (Psychological Approach)“. The purpose of the research was the health and psychological consequences and prerequisites for performance of teacher profession. In addition to several partial findings the research project contributed to deeper knowledge of the teaching profession from the viewpoint of teaching psychology and health psychology, enabling the planning of professional measures relating to the preparation for and following of a career in teaching. In addition to a number of professional studies and training courses implemented in the course of the project implementation the research project also included organisation of annual international conferences documented with relatively extensive proceedings. The results of the project contributed to better knowledge of the teacher profession and met with a positive response at home and abroad. In the same year the faculty successfully participated in the competition for new research projects, winning institutional support for the project “School and Health for 21st Century”.

Faculty of Economics and Administration

In 2004 both opponent statements observed the successful completion and excellent results of the research project “Czech Region Development Effectiveness Factors”. In the context of the project the following themes were tackled: “Identification of Society-Wide and Regional Aspects of Effectiveness of Public Sector and Factors Affecting Central Governmental Policy”, “Identification of Factors of Regional Differentiation of Regions and their Expression in Effectiveness Terms – Macroeconomic and Microeconomic Views”, “Identification of the Regional Policy of Central Government in Relation to Policies of Regional Self-Government and its Competence”, “The Relationship of Public Administration Transformation and Budget Systems – Factors Relating to the Effectiveness of Financing of Selected Activities with Emphasis on Regional Level and the Public Sector Branches”, “Spatial Factors of Effectiveness of Regional Development Projects”, “Factors of Effectiveness of Financial of Selected Branches of Public Sector with Emphasis on Regional Level“, and “Synthesis of Factors of Allocation and Technical Effectiveness in Regional Development”. Significant results, presented in about 250 works and at over 40 conferences, were achieved in the context of the last three themes – an original methodology was prepared and applied to the evaluation of the quality of the business environ-

ment and identification of factors determining the effectiveness of public sector branches. The research also contributed to the stimulation of young research workers at the faculty.

Faculty of Informatics

In 2004 the faculty headed the implementation of three research projects: „Non-Sequential Calculation Models“, “Applications of the Computer Analysis of the Images in Optical Microscopy”, and “Man-Computer Interaction, Dialogue Systems and Assistive Technology”. These research projects were completed in December 2004. In March 2005 opponent proceedings for all three projects will be held and the opponent jury will issue its judgements. Previous assessments of implemented research projects always emphasized the high level of the results achieved. In 2004 the faculty submitted two new research proposals, one assessed category A and receiving an institutional subsidy. The faculty was one of the applicants in five proposed research centres.

School of Social Studies

In 2004 the research project “Children, Youth and Family in Transformation” was successfully accomplished. Its subprojects dealt with topical social issues such as factors affecting biological reproduction and reproduction strategies in Czech families, the family – social state relationship, issues of social reproduction of the family, issues of new distribution of roles in families with regard to the gender aspect, concerns of Romany families, issues of childhood and social identify formation in childhood, youth activities in social movements and political parties, youth behaviour, issues of adolescence in the changing Czech society, family relationships and crises in young families, psychic features of human nature and their formation, temperament and value system, school performance, school performance determinants and adaptation of children to the school environment. The research resulted in numerous outputs in the form of monographs and journal publications.

The research project “Ethnic Minorities, Minority Nations and Marginalised Groups” continued with the sixth and final year. In its context twelve partial projects were implemented. The concepts of social exclusion and social inclusion were viewed from the social and cultural viewpoint, political, psychological and social and political viewpoint. The results of the individual research projects were regularly published.

The year 2004 was the fifth and final year of activity of the Centre for Research into Development of Personality and Ethnicity. The Centre coordinated activity of five research sections: the Institute for Children, Youth and Family Research at the Faculty of Social Sciences, the research section of the Department of Preventive and Social Paediatrics of the Institute of Social Medicine and Public Healthcare of the Faculty of Medicine, the research section of the

Faculty of Humanities of the Charles University in Prague, the research section of the Ethno-Linguistic and Socio-Linguistic Analysis of the Czech Language Institute of the Academy of Sciences of the Czech Republic in Prague, and the research section of the Point, s. r. o., limited liability company in Prague. The Institute for Children, Youth and Family Research at the Faculty of Social Sciences continues with longitudinal research of children and families in the context of the international research project ELSPAC and implements other research projects focusing on contemporary youth and family. The project of the Centre was assessed as excellent in the final opponent proceeding.

Institute of Computer Technology

The year 2004 was the last of the six years of implementation of the research project of the Institute of Computer Technology called “Digital Libraries”, assessed in all past years as very successful. The final opponent proceeding will take place in March 2005. For the following period the Institute combined its research capacities with the Faculty of Informatics. Both institutions jointly prepared two proposals of new research projects for the period 2005–2011, one evaluated in the top category and awarded full financial subsidy.

5. SPECIFIC RESEARCH

By means of the results of scientific, research and development activities the university departments attract considerable funds by means of institutional subsidies to specific research. In accordance with legal standards, this support is used for the financing of research activities involving students, thus contributing to the enhancement of the research component of master and doctoral courses.

Faculty of Law

Institutional subsidy for specific research was used for funding of a wide range of activities focusing on support of scientific activity of students of master and doctoral courses. The money was mainly used for coverage of personal and materials costs related to scientific preparation of students in doctoral courses, development of their international and research contacts and student scientist competition. In addition the subsidies were used for coverage of operation costs of information and library services, costs of organisation of conferences for doctoral students and costs of opponent assessments of dissertations and diploma theses. The funds were also used for coverage of membership fees of academic staff, doctoral supervisors, in international organisations of research and development.

Faculty of Medicine

Institutional support for specific research was used for support of research activities involving students in bachelor and master courses in the form of seminar theses and independent professional works of students, scientific papers and diploma theses in non-medical subjects. Independent professional work of undergraduate students of general medicine and dentistry, included in the curriculum of medical studies, emphasizes creative approach of students to research issues.

Faculty of Science

Institutional funds for specific research support were used for research linked with teaching, especially in master courses and doctoral courses. Part of the funds was used for the coverage of wage costs of academic staff and operational means of the faculty related to the abovementioned type of activity.

Faculty of Arts

Specific research carried out by the faculty included a number of research topics closely linked to doctoral study and separate research or advanced and doctoral students. These students worked on the themes of their final theses in cooperation with the currently implemented research projects and grant projects of their teachers. Institutional funds for specific research were used in accordance with the regulations of the Ministry of Education for coverage of costs of work related to this student activity – completion of dissertations, support of publication activity of students in professional periodicals, purchase of literature for doctoral seminars, organisation of doctoral collegia.

School of Social Studies

Funds for specific research were used for coverage of wage costs of academic staff taking part in academic preparation of students in accredited courses, for equipment of doctoral student offices (computers and software), scholarships for excellent scientific, research and creative results, costs of publication of proceedings and publications, coverage of opponent statements to diploma and dissertation theses.

Faculty of Informatics

Institutional subsidies for specific research granted in 2004 were used for the coverage of personal and material costs of joint research of academic staff and students, especially for support of joint research teams, building of international research contacts of students and application of research



and development results in teaching practice. Some of the means were also used for the support of student participation in academic competitions, master and doctoral student mobility and coverage of opponent statements to diploma theses and dissertations.

Faculty of Education

Specific research funds were partly used for financing of faculty grants announced in two categories: “Academic Activity of Master Course Students” and “Academic Projects Submitted by Doctoral Students“. The total number of implemented projects was 27. The projects supported professional activity of students of master and doctoral courses. Another part of the funds was used for equipment in the offices of day doctoral students. These funds were further used for fees for opponents to student projects, doctoral dissertations and other administrative and personal costs of staff managing and organising research and development activities.

Faculty of Economics and Administration

Specific research funds were used for the implementation of departmental research projects with the significant involvement of students of doctoral courses, who also took part in publica-

tion activities. A part of the funds was used for coverage of costs of application of new results of research and development in teaching practice, in solutions of particular issues of textbooks, presentations and teaching software.

Faculty of Sports

Institutional support for specific research was used for research activity of doctoral students of kinanthropology. Projects related to their dissertations were implemented, such as: “Assessment of the Physical Fitness of Middle-Aged and Elderly Population”, “Change in Respiratory Function after Canoeing”, „New Trends and Techniques in Mountaineering Training“, “Multimedia Processing of the Training Log of an Athlete”, “The Development of Psychodiagnostic Methods for Testing of Personal Characteristics and Laterality of Weak-Sighted Youth and Healthy Population”, “The Effect of the Work of Play Assistants in Changes to the Current Psychological State of Sick Children”, “Motion Activity and Means of Optimisation of Psychic and Physical Functions in Natural Process of Aging in Persons Above 60”, “Objective Approach to Diagnostics of Level of Muscle Strength in Assessment of Functional State of Muscle System”.

6. SCIENCE AND RESEARCH IN NUMBERS

Table 1a Number of Specific Scientific and Research Projects Supported by the Ministry of Education of CR in 2004

	LN	LA	1N	1K	ME	OC	Total
FoL	0	0	0	0	0	0	0
FoM	0	0	0	1	0	2	3
FoS	1	2	0	2	5	5	15
FoA	0	0	3	1	0	0	4
FoE	0	0	0	2	0	0	2
FoEA	0	0	0	0	0	0	0
FoI	0	1	0	0	0	0	1
SoSS	1	0	0	0	0	0	1
FoSp	0	0	0	0	0	0	0
ICS	0	0	1	0	0	0	1
RO MU	0	0	0	0	0	0	0
MU	2	3	4	6	5	7	27

RO MU – Rector’s Office of Masaryk University

ICS – Institute of Computer Science

Table 1b Total Amount of Subsidy provided by the Ministry of Education (MoE) for Specific Scientific and Research Projects in 2004 (in CZK thousand)

	LN		LA		1N		1K		ME		OC		Total	
	NI	I	NI	I	NI	I	NI	I	NI	I	NI	I	NI	I
FoL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FoM	0	0	0	0	0	0	270	0	0	0	1,700	100	1,970	100
FoS	11,195	0	434	29,526	0	0	884	0	1,037	0	1,045	400	14,595	29,926
FoA	0	0	0	0	5,107	420	409	200	0	0	0	0	5,516	620
FoE	0	0	0	0	0	0	317	0	0	0	0	0	317	0
FoEA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FoI	0	0	512	0	0	0	0	0	0	0	0	0	512	0
SoSS	11,542	80	0	0	0	0	0	0	0	0	0	0	11,542	80
FoSp	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ICS	0	0	0	0	4,984	0	0	0	0	0	0	0	4,984	0
RO MU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	22,737	80	946	29,526	10,091	420	1,880	200	1,037	0	2,745	500	39,436	30,726

Clue: **LN** – Research centres

LA – INGO

1N – Information infrastructure of research

1K – Support for beginner researchers

ME – Contact

OC – COST

Table 2a Number of Other Specific Scientific and Research Projects Implemented in 2004

	GA CR	IGA	GA AV CR	RGA	International	Total
FoL	6	0	1	1	0	8
FoM	22	33	2	2	2	61
FoS	75	0	13	6	9	103
FoA	46	0	8	2	0	56
FoE	6	0	1	0	1	7
FoEA	8	0	0	2	0	11
FoI	8	0	7	2	4	21
SoSS	13	0	0	2	3	18
FoSp	1	0	0	0	0	1
ICS	0	0	0	0	4	4
RO MU	0	0	0	1	0	1
MU	185	33	32	18	23	291

Clue:

GA CR – Grant Agency of the Czech Republic

IGA – Internal Grant Agency of the Ministry of Healthcare of the Czech Republic

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

RGA – Ministerial Grant Agencies (of the Ministry of the Environment of CR, the Ministry of Labour and Social Affairs of CR, the Ministry of Agriculture of CR, the State Institute for Nuclear Safety)

Table 2b Total Subsidy Provided for Other Specific Scientific and Research Projects in 2004 (in CZK thousand)

	GA CR		IGA		GA AV CR		RGA		International		Total	
	NI	I	NI	I	NI	I	NI	I	NI	I	NI	I
FoL	503	0	0	0	108	0	170	0	0	0	781	0
FoM	9,389	200	16,472	0	292	0	397	0	699	0	27,249	200
FoS	26,234	0	0	0	3,055	385	1,458	1,000	6,777	0	37,524	1,385
FoA	9,546	60	0	0	2,204	0	1,567	50	0	0	13,317	110
FoE	1,844	0	0	0	234	0	0	0	478	0	2,556	0
FoEA	1,753	0	0	0	0	0	1,900	0	0	0	3,653	0
FoI	2,474	0	0	0	3,521	248	2,200	0	2,324	0	10,519	248
SoSS	4,594	0	0	0	0	0	355	0	849	0	5,798	0
FoSp	223	0	0	0	0	0	0	0	0	0	223	0
ICS	0	0	0	0	0	0	0	0	6,396	0	6,396	0
RO MU	0	0	0	0	0	0	700	0	0	0	700	0
Total	56,560	260	16,472	0	9,414	633	8,747	1,050	17,523	0	108,716	1,943





Table 3 Institutional Support of the Ministry of Education in 2004 (in CZK thousand)

	Research projects			Spec. research		Total	
	No	NI	I	NI	I	NI	I
FoL	0	0	0	674	0	674	0
FoM	4	24,972	4,841	22,237	0	47,209	4,841
FoS	11	64,548	13,465	43,444	0	107,992	13,465
FoA	2	3,870	1,170	10,686	0	14,556	1,170
FoE	1	742	0	1,600	0	2,342	0
FoEA	1	1,786	0	3,064	0	4,850	000
FoI	3	11,368	2,376	6,690	0	18,058	2,376
SoSS	2	6,350	300	9,396	0	15,746	300
FoSp	0	0	0	223	0	223	0
ITSC	0	0	0	0	0	0	0
ICS	1	2,097	646	0	0	2,097	646
RO MU	0	0	0	0	0	0	0
Total	25	115,733	22,798	98,014	0	213,747	22,798

Table 4a Total Number of Scientific and Research Projects in 2004, Tables 1a, 2a, 3

	Specific projects	Other projects	Research projects	Total
FoL	0	8	0	8
FoM	3	61	4	68
FoS	15	103	11	129
FoA	4	56	2	62
FoE	2	7	1	10
FoEA	0	11	1	12
FoI	1	21	3	25
SoSS	1	18	2	21
FoSp	0	1	0	1
ICS	1	4	1	6
RO MU	0	1	0	1
MU	27	291	25	343

Table 4b Total Volume of Finance in Science and Research in 2004 (in CZK thousand), tables 1b, 2b, 3

	Specific projects		Other projects		Research projects		Specific research		Total	
	NI	I	NI	I	NI	I	NI	I	NI	I
FoL	0	0	781	0	0	0	674	0	1,455	0
FoM	1,970	100	27,249	200	24,972	4,841	22,237	0	76,428	5,141
FoS	14,595	29,926	37,524	1,385	64,548	13,465	43,444	0	160,111	44,776
FoA	5,516	620	13,317	110	3,870	1,170	10,686	0	33,389	1,900
FoE	317	0	2,556	0	742	0	1,600	0	5,215	0
FoEA	0	0	3,653	0	1,786	0	3,064	0	8,503	0
FoI	512	0	10,519	248	11,368	2,376	6,690	0	29,089	2,624
SoSS	11,542	80	5,798	0	6,350	300	9,396	0	33,086	380
FoSp	0	0	223	0	0	0	223	0	446	0
ICS	4,984	0	6,396	0	2,097	646	0	0	13,477	646
RO MU	0	0	700	0	0	0	0	0	700	0
Total	39,436	30,726	108,716	1,943	115,733	22,798	98,014	0	361,899	55,467

Table 5 Development Projects in 2004 (finance in CZK thousand)

	FRVŠ			Transformation and development programmes		
	No	NI	I	No	NI	I
FoL	1	23	0	2	1,777	0
FoM	11	1,329	1,389	1	2,080	1,220
FoS	45	4,890	1,750	1	3,952	0
FoA	16	1,241	1,126	4	7,611	0
FoE	11	976	1,212	6	8,190	300
FoEA	1	0	503	1	2,153	0
FoI	5	325	0	1.5	2,825	8,500
SoSS	6	549	0	1	2,780	0
FoSp	2	380	0	1	1,750	0
ITSC	0	0	0	0	3,110	0
ICS	0	525	0	1.5	450	12,500
DFL	0	0	0	0	890	0
OIS	0	0	0	0	5,016	80
RO MU	1	0	0	8	5,450	300
Celkem	99	10,238	5,980	28	48,034	22,900

Clue:

FRVŠ – University

Development Fund

OIS – Office for International Studies

DFL – Department of Foreign Languages

ITSC – In-Training Service Centre

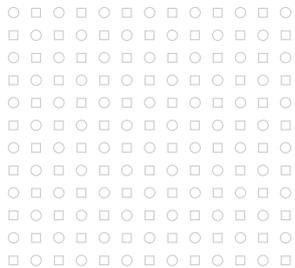
Table 6 Publication Activity in 2004

Faculty	Monographs		Original works Proceedings		Original works journals		Other original works		Textbooks and scripta	Patents
	CR	int.	CR	int.	CR	int.	CR	int.		
FoL	55	0	115	0	196	0	0	0	25	0
FoM	45	1	290	96	410	149	9	2	25	0
FoS	30	10	190	226	133	361	2	13	33	2
FoA	61	5	264	51	228	14	25	2	63	0
FoE	53	2	240	46	130	12	23	1	45	0
FoEA	86	5	201	43	168	13	11	0	68	0
FoI	14	5	58	80	21	23	8	6	4	0
SoSS	27	1	121	30	126	11	23	8	2	0
FoSp	11	1	68	3	22	0	0	1	4	0
Total	382	30	1,547	575	1,434	583	101	33	269	2

Table 7 Recognitions by Scientific Community in 2004

Faculty	Memberships in subject councils of grant agencies	Organisation of int. conferences	Awards for scientific and artistic activities
FoL	6	10	3
FoM	36	67	14
FoS	14	15	4
FoA	0	10	0
FoE	7	14	4
FoEA	0	4	0
FoI	2	10	1
SoSS	6	8	6
FoSp	0	3	1
Total	71	141	33





6. AWARDS

Honorary Degrees of Masaryk University in Brno Granted in 2004

Prof. Josef Michl, U.S.A., Professor of Colorado University of Boulder, chemistry

Prof. Dines Bjørner, Professor of Danish university of Technology of Lyngby, informatics

Prof. Vladimír Čermák, Professor Emeritus of the School of Social Studies of MU and Judge Emeritus of the Constitutional Court of the Czech Republic, law

Prof. Ota Weinberger, Professor Emeritus of the Carlo-Franz University of Graz, law

Andrew Steiner, U.S.A.

Gold Medals

Prof. Peter Doralt, Wirtschaftsuniversität Wien

Prof. MUDr. Karel Dvořák, DrSc., Faculty of Medicine, MU

Assoc. Prof. JUDr. Zdeňka Gregorová, CSc., Faculty of Law, MU

Dr. Jana Starek, Austrian Institute of Eastern and South-Eastern Europe in Brno

Prof. RNDr. Eduard Schmidt, CSc., Faculty of Science, MU

Jan Schmidt, Burghausen (Germany)

Prof. PhDr. Rudolf Šrámek, CSc., Faculty of Education, MU

Prof. MUDr. Danuše Táborská, DrSc., Faculty of Medicine, MU

Prof. RNDr. Jiří Zlatuška, CSc., Faculty of Informatics, MU

Prof. PhDr. Stanislav Žaža, CSc., Faculty of Arts, MU

Rector's Prize for Outstanding Creative Activity

Prof. PhDr. Bořivoj Srba, DrSc.: Muses in Exile, Masaryk University in Brno, 2003

PhDr. Jiří Pulec et al.: Chapters from the History of University Education in Moravia in the Years 1945–1990, Palacký University of Olomouc, 2003

Assoc. Prof. JUDr. Věra Kalvodová, CSc.: The Role of Imprisonment in the System of Criminal Legal Sanctions, Masaryk University in Brno, 2002

Prof. MUDr. Zdeněk Adam, CSc. et al.: General Cancer Studies and Supportive Therapy, Grada Publishing Prague, 2003

Assoc. Prof. PhDr. Jaroslav Vaculík, CSc.: Post-War Re-Emigration and Settlement of Foreign Countrymen, Masaryk University in Brno, 2002

Post-War Repatriation of Czechoslovak Citizens (Displaced Persons), Masaryk University in Brno, 2004

Assoc. Prof. PhDr. Dagmar Bartoňková, CSc.: Canfora, Luciano: History of Greek Literature, Koniash Latin Press, Prague, 2001

G. B. Conte: History of Roman Literature, Koniash Latin Press, Prague, 2003

Students and Teachers



1. EDUCATIONAL ACTIVITIES

Courses

In the academic year 2003/2004 the nine faculties of Masaryk University in Brno provided 50 bachelor's, 31 master's, 49 advanced master and 29 doctoral courses and 244 bachelor, 155 master, 250 advanced master and 133 doctoral subjects. In the course of the academic year new courses were accredited and some existing course accreditations were extended. Since the academic year 2004/2005 the Faculty of Social Sciences has offered a subject taught in English and called European Politics. The subject is part of the master course in political science. The Faculty of Medicine offers courses in General Medicine and Dentistry taught completely in English.

In the academic year 2003/2004 the Faculty of Economics and Administration continued to offer the course called l'Administration Publique, together provided by Masaryk University in Brno and Rennes University in France. The course is taught together by Czech and French lecturers. The subject was accredited in July 2002 and focuses on the professional preparation of highly qualified public administration officers. The nature of the subject is interdisciplinary and makes use of the know-how and experience of the renowned French centre of IPAG (INSTITUT DE PREPARATION A L'ADMINISTRATION GENERALE) at Rennes University. The orientation of the course, the structure of the subjects and the methodology of teaching correspond to the standards applied in France. Together with a good knowledge of economics the graduates are taught a wide range of administrative sciences and law, all with an emphasis on the European dimension of processes run in the field of public administration.

Since the academic year 2004/2005 the European integration of Masaryk University has been deepened by the introduction of the subject of European economic, administrative and cultural studies (in the context of the bachelor course in Economic Policy and Administration) offered by the Faculty of Economics and Administration. In addition to the FoEA the teaching of the subject is provided by the Faculty of Law, the Faculty of Arts and the School of Social Studies.

MU has continued with its educational activities in the Vysočina region by means of the operation of the Telč University Centre which provides combined teaching in some subjects of the

Faculty of Arts and the Faculty of Economics and Administration.

Course teaching is controlled pursuant to the internal regulations of the University as follows: enrolment into each following term is conditioned by acquisition of a minimum of 15 credits in the previous term, or a minimum of 45 credits in the previous two terms. The credit system of Masaryk University has been founded on the basis of ECTS principles.

Entrance Examination

In the context of the most recent entrance examination applicants for study at Masaryk University in Brno submitted a total of 55,083 applications for study in accredited courses, 28,680 applications out of that number being submitted electronically. The total number of accepted applicants was 13,691, 10,416 out of that number being actually enrolled. Tests of Suitability for Study (TSS) as a form of verification of suitability of the applicant to study at MU were applied in one form or another by nearly all faculties. Some faculties complemented these tests with an entrance examination in the subject to be studied in some cases. The TSS consisted of eight subtests checking specific ways of thinking, such as numerical (simplification of mathematical situations, speed and ability of numerical operations), analytical (information seeking in diagrams and tables, assessment of logical conditions), symbolic, critical (discovery of argumentation errors in written communication, looking for order in data sets), logic-verbal (richness of vocabulary, text comprehension, assessment of differences in meanings of words), spatial imagination, ability of judgement and basics of scientific thinking. Each subtest consisted of 10 tasks. The test required completion in 80 minutes. The results of the TSS were expressed in the so called percentile, i.e. percentage hierarchy of all the tested applicants, with the percentile value showing the percentage of the tested achieving worse results.

Detailed results of all participants were published on the Internet. The applicants could see their results on http://is.muni.cz/prihlaska/info_zkouska.pl after entering the number of their application and date of birth.



Study Options for Students with Specific Requirements

In the academic year 2003/2004 Masaryk University had 38 blind and heavily weak-sighted students and 10 deaf students. Since 2000 Masaryk University has organised an entrance examination for handicapped applicants allowing them to complete the standard written test with the help of information technology and alternative communication and perception methods.

The entrance examination for study in 2004/2005 was taken by 71 heavily handicapped applicants (persons with limited work abilities or holders of the ZTP certificates of physical disability) who together submitted 119 applications for study requesting specific communication method at the entrance examination.

Care of MU students with specific requirements is provided by the Support Centre for Students with Special Needs.

Student Evaluation of Quality of Teaching

In both semesters of 2004 the students had a chance to express their opinions on the quality of the taught subjects in the form of a student questionnaire. The inquiry is an important instrument of teaching quality testing, for integration into the information system of the school provides for a high percentage of respondents and absolute anonymity and credibility. Detailed responses to individual courses and teachers are used by the lecturers as stimuli for improvement of their work and as a method of teaching quality monitoring.

Students of individual courses may also fill out the inquiry form repeatedly in the course of the term (if their opinions change). The system is still able to evaluate how many of the inquired actually responded and provide for absolute anonymity of the respondents. In the summer term the subject-specific inquiry was filled out by 10,834 respond-

ents, i.e. 46% of all students of MU, the number of respondents in the winter term being 14,777 students, i.e. 58%.

Electronic reply collection by the information system of MU allows for easy processing of the necessary statistics and comparisons. With the help of a pre-prepared scale students can express their opinion on the subject as a whole and on the individual lecturers. Five questions ask about demand, attractiveness and comprehensibility of the subject, approach of the lecturer and available resources. After completion of the data collection the statistical surveys are published. Verbal commentaries may also be attached. These are only made available for the respective lecturers to whom they apply.

Student Awards

Rector's Prize for Best Master Course Students of MU

1. **Martin Klvaňa**, student of General Biology, majoring in Microbiology, Master course in Biology, Faculty of Science
2. **Kateřina Stará**, student of Corporate Economy, Master course in Economics and Management, Faculty of Economics and Administration
3. **Slavomíra Ferenčuhová**, student of Sociology, Advanced Master course, Faculty of Social Sciences
4. **Zbyněk Pozdíšek**, student of General Medicine, Master course in General Medicine, Faculty of Medicine, and student of Economic Policy and Administration, Faculty of Economics and Administration

Rector's Prize for Best Athlete of MU

Jana Pechanová, student of Physical Training and Sports, Faculty of Sports

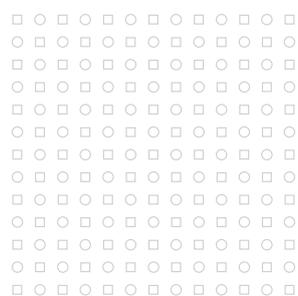
Table 1 Numbers of Courses and Subjects at MU

Subj. groups	Group code	Courses/subjects								Total no of	
		Bachelor		Master Adv.		Master		Ph.D.		Course	Subj.
Natural sciences	11–18	16	59	8	30	14	59	8	39	46	187
Technical sciences	21–39										
Agricultural, forestry and veterinary sciences	41–43										
Medical and pharmaceutical sciences	51–53	3	7	3	3	1	2	2	23	9	35
Social sciences and services	61, 65, 67, 71–74	19	105	7	55	20	92	8	36	54	288
Economics	62	3	10	3	6	3	7	3	4	12	27
Law, legal activities	68	1	7	1	1	0	0	1	14	3	22
Theory of teaching and social work and care	75	5	40	7	52	8	74	4	5	24	171
Psychology	77	2	2	1	1	2	2	2	8	7	13
Culture and art studies	81, 82	1	14	1	7	1	14	1	4	4	39
Total	11–82	50	244	31	155	49	250	29	133	159	782

Table 2 Entrance Examination Evaluation

Form of study		No of applicants	Accepted by Dean	Appeals	Autore-medura	Accepted by Rector	Accepted total	Enrolled
FoL	DS	6,074	629	1,001	106	2	631	596
	CS	3,935	300	449	33	1	301	300
	Total	10,009	929	1,450	139	3	932	896
FoM	DS	4,455	1,065	450	0	0	1,065	804
	CS	378	54	43	0	0	54	51
	Total	4,833	1,119	493	0	0	1,119	855
FoS	DS	3,562	1,592	471	145	0	1,592	924
	CS	104	92	5	5	0	92	82
	Total	3,666	1,684	476	150	0	1,684	1,006
FoA	DS	8,383	2,660	1,197	270	3	2,663	1,842
	CS	1,034	479	100	5	0	479	446
	Total	9,417	3,139	1,297	275	3	3,142	2,288
FoE	DS	4,823	1,565	1,058	268	18	1,583	1,160
	CS	2,634	745	436	40	7	752	705
	Total	7,457	2,310	1,494	308	25	2,335	1,865
FoEA	DS	5,755	969	947	0	6	975	667
	CS	2,321	556	309	18	1	557	557
	Total	8,076	1,525	1,256	18	7	1,532	1,224
Fol	DS	1,727	974	71	28	1	975	703
	CS	0	0	0	0	0	0	0
	Total	1,727	974	71	28	1	975	703
SoSS	DS	5,948	1,033	561	8	2	1,035	725
	CS	2,001	447	186	2	1	448	393
	Total	7,949	1,480	747	10	3	1,483	1,118
FoSp	DS	1,448	358	169	13	4	362	343
	CS	443	125	59	6	2	127	118
	Total	1,891	483	228	19	6	489	461
MU	DS	42,175	10,845	5,925	838	36	10,881	7,764
	CS	12,850	2,798	1,587	109	12	2,810	2,652
	Total	55,025	13,643	7,512	947	48	13,691	10,416
2003/2004		43,559	12,283	7,122	911	57	12,340	9,274
Increase		26.32	11.07	5.48	3.95	-15.79	10.95	12.31

DS – Day study
 CS – Combined study



2. STUDENTS AND GRADUATES OF COURSES

Table 3a Number of Students – Citizens of the Czech Republic – of MU as of 31 October 2004

Faculty	Regular (diploma) study														
	Day study (DS)					Combined study (CS)					Total				
	BA	MA	Adv.MA	Ph.D.	Total	BA	MA	Adv.MA	Ph.D.	Total	BA	MA	Adv.MA	Ph.D.	Total
FoL	0	2,280	0	31	2,311	697	0	0	89	786	697	2,280	0	120	3,097
FoM	377	1,392	97	199	2,065	174	0	0	395	569	551	1,392	97	594	2,634
FoS	1,477	537	133	412	2,559	81	0	0	240	321	1,558	537	133	652	2,880
FoA	3,053	1,189	218	225	4,685	781	72	36	445	1,334	3,834	1,261	254	670	6,019
FoE	1,466	1,675	13	73	3,227	858	561	514	65	1,998	2,324		527	138	5,225
FoEA	415	1,142	199	78	1,834	1,229	0	0	96	1,325	1,644	1,142	199	174	3,159
FoI	1,113	68	256	62	1,499	0	0	0	10	10	1,113	68	256	72	1,509
SoSS	924	1	437	149	1,511	755	0	94	77	926	1,679	1	531	226	2,437
FoSp	676	123	0	19	818	296	0	0	41	337	972	123	0	60	1,155
Total	9,501	8,407	1,353	1,248	20,509	4871	633	644	1458	7,606	14,372	9,040	1,997	2,706	28,115

Table 3b Number of Students – Citizens of Other Countries – of MU as of 31 October 2004

Faculty	Regular (diploma) study														
	Day study (DS)					Combined study (CS)					Total				
	BA	MA	Adv.MA	Ph.D.	Total	BA	MA	Adv.MA	Ph.D.	Total	BA	MA	Adv.MA	Ph.D.	Total
FoL	0	177	0	3	180	6	0	0	4	10	6	177	0	7	190
FoM	17	527	3	38	585	10	0	0	13	23	27	527	3	51	608
FoS	78	22	14	41	155	6	0	0	7	13	84	22	14	48	168
FoA	162	78	12	9	261	20	4	2	24	50	182	82	14	33	311
FoE	16	12	0	1	29	2	25	0	7	34	18	37	0	8	63
FoEA	18	227	10	6	261	28	0	0	16	44	46	227	10	22	305
FoI	211	6	27	3	247	0	0	0	1	1	211	6	27	4	248
SoSS	87	0	44	14	145	29	0	0	7	36	116	0	44	21	181
FoSp	9	3	0	0	12	2	0	0	10	12	11	3	0	10	24
Total	598	1,052	110	115	1,875	103	29	2	89	223	701	1,081	112	204	2,098

Table 3c Number of Students of MU as of 31 October 2004

Faculty	Diploma studies		Total
	Czechs	Foreigners	
FoL	3,097	190	3,287
FoM	2,634	608	3,242
FoS	2,880	168	3,048
FoA	6,019	311	6,330
FoE	5,225	63	5,288
FoEA	3,159	305	3,464
FoI	1,509	248	1,757
SoSS	2,437	181	2,618
FoSp	1,155	24	1,179
Total	28,115	2,098	30,213

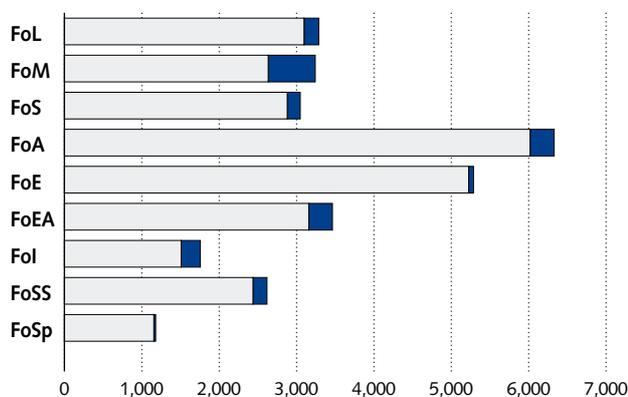


Table 3d Numbers of Students of MU

Groups of subjects	Group code	Students per Course				Total
		BA.	MA.	Adv. MA	Ph.D.	
Natural sciences	11-18	2,966	620	427	777	4,790
Technical sciences	21-39	0	0	0	0	0
Agricultural, forestry and veterinary sciences	41-43	0	0	0	0	0
Medical and pharmaceutical sciences	51-53	578	1,919	100	644	3,241
Social sciences and service	61,65,67,71-74	5,578	998	718	738	8,032
Economics	62	1,690	1,369	209	196	3,464
Law, legal and admin. activity	68	703	2,457	0	127	3,287
Theory of teaching and social care	75	2,500	2,286	555	168	5,509
Psychology	77	208	440	69	135	852
Culture and art studies	81, 82	850	32	31	125	1,038
Total	11-82	15,073	10,121	2,109	2,910	30,213

Table 3e History of Bachelor and Master Student Numbers

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
FoL	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)	3,160 (2,457)
FoM	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)	2,597 (2,413)
FoS	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)	2,348 (2,261)
FoA	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)	5,627 (4,712)
FoE	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)	5,142 (3,182)
FoEA	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)	3,268 (2,011)
FoI	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)	1,681 (1,681)
SoSS	-	-	-	529 (529)	820 (745)	1,181 (912)	1,568 (1,068)	1,729 (1,107)	1,936 (1,196)	2,371 (1,493)
FoSp	-	-	-	-	-	-	374 (374)	684 (576)	874 (670)	1,109 (811)
MU	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)	27,303 (21,021)

Table 3f Number of Students per Teacher of MU

Faculty	1995/96	1996/97	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04
FoL	33.37	35.05	33.63	33.03	34.24	32.57	36.08	40.06	59.19
FoM	6.33	5.86	5.89	6.41	6.74	7.07	8.32	8.32	9.27
FoS	9.98	10.22	11.43	11.34	11.71	12.03	12.23	12.68	12.89
FoA	14.38	19.24	18.49	18.29	20.36	19.03	22.65	29.96	39.93
FoE	11.28	14.85	17.40	20.11	21.21	18.75	17.28	28.03	31.79
FoEA	22.90	21.88	28.98	32.99	36.16	37.71	40.35	48.93	48.14
FoI	19.93	25.92	29.41	35.10	30.01	30.83	39.82	38.58	34.74
SoSS	-	-	-	28.95	29.83	35.46	44.22	39.96	36.53
FoSp	-	-	-	-	-	-	-	15.08	17.76
MU	11.79	13.57	14.63	15.66	16.62	16.28	18.25	22.49	26.56





Table 4a History of Numbers Regular Day Students and Graduates

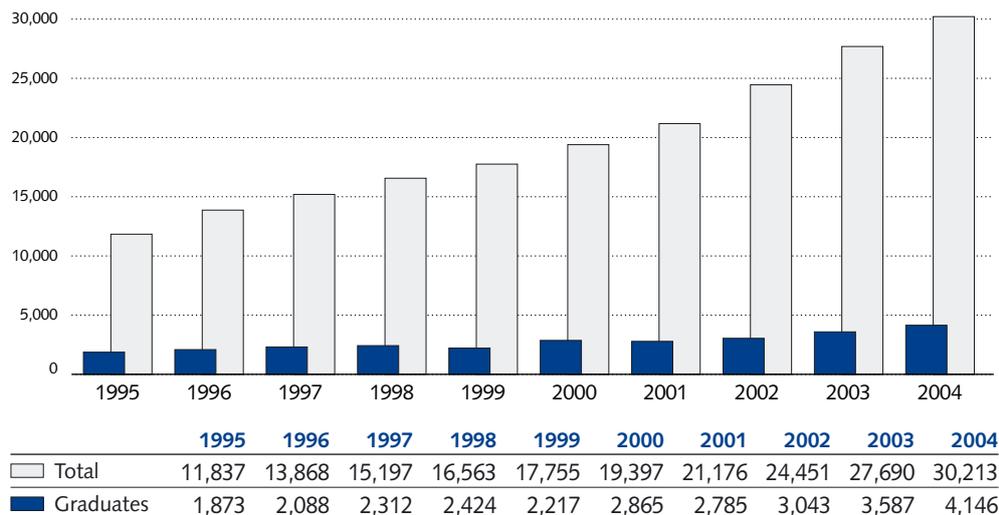


Table 4b MU Graduates in 2004

Faculty	Regular (diploma) study														
	Day study (DS)				Combined study (CS)					Total					
	BA	MA	Adv. MA	Ph.D.	Total	BA	MA	Adv. MA	Ph.D.	Total	BA	MA	Adv. MA	Ph.D.	Total
FoL	0	402	0	2	404	143	0	0	10	153	143	402	0	12	557
FoM	65	172	52	12	301	48	0	0	37	85	113	172	52	49	386
FoS	223	302	10	16	551	0	0	1	41	42	223	302	11	57	593
FoA	162	342	17	5	526	47	1	11	28	87	209	343	28	33	613
FoE	17	344	0	6	367	178	68	229	8	483	195	412	229	14	850
FoEA	19	207	65	0	291	159	0	0	3	162	178	207	65	3	453
FoI	160	108	42	10	320	0	0	0	1	1	160	108	42	11	321
SoSS	141	3	123	3	270	23	0	3	4	30	164	3	126	7	300
FoSp	0	69	0	1	70	0	0	0	3	3	0	69	0	4	73
Total	787	1,949	309	55	3,100	598	69	244	135	1,046	1,385	2,018	553	190	4,146

Table 4c Numbers of MU Graduates

Groups of subjects	Group code	Graduates per course				Total
		BA	MA	Adv. MA	Ph.D.	
Natural sciences	11-18	383	403	53	68	907
Technical sciences	21-39	-	-	-	-	-
Agricultural, forestry and veterinary sciences	41-43	-	-	-	-	-
Medical and pharmaceutical sciences	51-53	113	172	52	49	386
Social sciences and service	61,65,67,71-74	285	340	121	31	777
Economics	62	178	207	65	3	453
Law, legal and admin. activity	68	143	402	0	12	557
Theory of teaching and social care	75	217	420	229	14	880
Psychology	77	20	52	31	6	109
Culture and art studies	81, 82	46	22	2	7	77
Total	11-82	1,385	2,018	553	190	4,146

Table 4d History of Numbers of Graduates

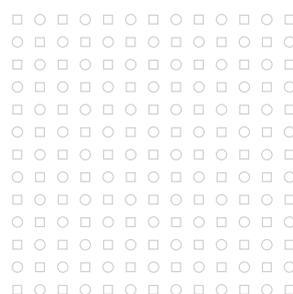
	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
FoL	410	318	397	450	411	485	397	426	466	557
FoM	275	277	263	277	245	310	319	347	343	386
FoS	292	296	318	334	327	355	291	387	417	593
FoA	248	361	354	339	197	353	300	319	473	613
FoE	580	663	631	614	684	839	885	895	852	850
FoEA	17	126	309	344	246	337	319	290	453	453
FoI	51	47	40	44	42	85	148	140	281	321
SoSS	-	-	-	22	65	101	126	190	222	300
FoSp	-	-	-	-	-	-	-	49	80	73
MU	1,873	2,088	2,312	2,424	2,217	2,865	2,785	3,043	3,587	4,146

Table 5a Failed Students of MU in 2004

Faculty	Regular (diploma) study														
	Day study (DS)				Combined study (CS)					Total					
	BA	MA	Adv. MA	Ph.D.	Total.	BA	MA	Adv. MA	Ph.D.	Total	BA	MA	Adv. MA	Ph.D.	Total
FoL	0	165	0	0	165	56	0	0	9	65	56	165	0	9	230
FoM	42	192	2	9	245	3	0	0	17	20	45	192	2	26	265
FoS	397	49	6	17	469	24	0	0	26	50	421	49	6	43	519
FoA	431	45	11	3	490	178	22	5	60	260	609	67	16	63	755
FoE	146	266	0	0	412	31	72	15	5	108	177	338	15	5	535
FoEA	58	70	45	5	178	397	0	0	15	412	455	70	45	20	590
FoI	336	10	20	11	377	0	0	0	5	5	336	10	20	16	382
SoSS	91	0	36	5	132	159	0	12	14	173	250	0	48	19	317
FoSp	71	11	0	1	83	22	0	0	6	28	93	11	0	7	111
Celkem	1,572	808	120	51	2,551	870	94	32	157	1,121	2,442	902	152	208	3,704

Table 5b Failed Students of MU

Groups of subjects	Group code	Failed students per course				Total
		BA	MA	Adv. MA	Ph.D.	
Natural sciences	11-18	757	54	26	59	896
Technical sciences	21-39	-	-	-	-	-
Agricultural, forestry and veterinary sciences	41-43	-	-	-	-	-
Medical and pharmaceutical sciences	51-53	45	192	2	26	265
Social sciences and service	61,65,67,71-74	794	55	61	70	980
Economics	62	455	70	45	20	590
Law, legal and admin. activity	68	56	165	0	9	230
Theory of teaching and social care	75	197	343	18	8	566
Psychology	77	23	21	0	10	54
Culture and art studies	81, 82	115	2	0	6	123
Total	11-82	2,442	902	152	208	3,704



3. LIFELONG STUDY

Table 6a Numbers of Lifelong Study Courses

Groups of subjects	Group code	Lifelong Studies as part of accredited courses			Total
		Free	Charged	Other	
Natural sciences	11–18	–	–	11	11
Technical sciences	21–39	–	–	–	–
Agricultural, forestry and veterinary sciences	41–43	–	–	–	–
Medical and pharmaceutical sciences	51–53	–	10	–	10
Social sciences and service	61,65,67,71–74	–	6	16	22
Economics	62	–	–	14	14
Law, legal and admin. activity	68	–	5	–	5
Theory of teaching and social care	75	–	–	58	58
Psychology	77	–	1	–	1
Culture and art studies	81, 82	–	–	1	1
Total	11–82	–	22	100	122

Table 6b Numbers of Lifelong Students

Groups of subjects	Group code	Lifelong Studies as part of accredited courses			Total
		Free	Charged	Other	
Natural sciences	11–18	–	–	130	130
Technical sciences	21–39	–	–	–	–
Agricultural, forestry and veterinary sciences	41–43	–	–	–	–
Medical and pharmaceutical sciences	51–53	–	32	2	34
Social sciences and service	61,65,67,71–74	–	15	656	671
Economics	62	–	–	455	455
Law, legal and admin. activity	68	–	251	–	251
Theory of teaching and social care	75	–	–	1,034	1,034
Psychology	77	–	8	–	8
Culture and art studies	81, 82	–	–	27	27
Total	11–82	–	306	2,304	2,610

4. DEPARTMENT OF FOREIGN LANGUAGES (DFL)

DFL is a university-wide centre of Masaryk University in Brno providing language teaching to non-language students of individual faculties of MU, including the Faculty of Economics and Administration (FoEA), School of Social Sciences (SoSS), Faculty of Sports (FoSp), Faculty of Arts (FoA) and Faculty of Medicine (FoM), Faculty of Education (FoE), Faculty of Science (FoS) and Faculty of Informatics (FoI).

The teachers and foreign lecturers of the eight departments of the Centre focus on the specifics of professional language and teaching of academic skills in English, German, French, Spanish and Russian to Bachelor, Master and Doctoral students of day and combined courses. In addition, professional Latin terminology is taught to Faculty of Arts, Faculty of Medicine and Faculty of Science students. The Centre also provides Czech language courses to foreign students and integrated language and subject courses in cooperation with selected faculty departments. Twice a year the Centre organises the international examination in English, Institutional TOEFL, and since 2002 also preparatory courses for the examination.

In the academic year 2002/2003 the Centre introduced an annual intensive post-secondary English course for secondary school absolvents (the course is included in the annex to the Decree of the Ministry of Education of the Czech Republic). Since academic year 2004/2005 the course has been provided in cooperation with the Language School of the Faculty of Arts of Masaryk University.

The Centre also operates a multimedia language laboratory housed in the building of the Rector's Office of MU, where students and teachers of the University can use materials and study programs for deepening their knowledge of general and professional foreign languages, including textbooks, dictionaries, work sheets, video programmes, CD-ROMs, DVD drives, satellite. The laboratory provides the option of independent self-study beyond the framework of compulsory studies.

In the context of professional and scientific work teachers of the Centre participate in national and international conferences and grants (in 2004 including but not limited to the integrated project "Interdisciplinary Multimedia Language Programmes and Courses for University Students" in the context of the Development Programmes

of the Ministry of Education of the Czech Republic. Since 2004 the Centre has become professional guarantor of Czech language courses to asylum seekers, and has taken responsibility for analysis of the effectiveness of Czech language courses for asylum seekers in the years 2000-2004 implemented so far in the context of a special grant of the Ministry (the courses were provided as part of the State Programme of Integration of Asylum Seekers). In 2004 the Centre also continued its successful cooperation with the Aberystwyth University of Wales in the context of the Socrates/Erasmus programme (teacher exchanges). In the context of the Socrates/Gruntvig programme teachers of the Centre together with representatives of other foreign universities took part in the project "How to work on a web-based platform with a view to integrating ICS in collaborative teaching and learning – preferably across borders".

Since 1997 the Centre has been a member of CercleS, the Association of European Language Centres. The Centre was also involved in the foundation of the Czech and Slovak Association of University Language Centres (CASAJC). This national association became regular member of CercleS in January 2001. Its mission is to support language teaching and research at universities on the basis of the application of modern teaching methods. Since academic year 2003/2004 selected teachers of the Centre have collaborated with the team of the pilot project of testing of the European Language Portfolio (ELP) for universities implemented in the context of CercleS activities.

In 2004 the Centre continued intensive cooperation with the British Council, providing significant grant support to the Centre in the past, which allowed selected teachers of the Centre to become national ESP (English for Special Purposes) trainers. The British Council also initiated the establishment of a new professional organisation, AMATE (Association of Methodologists – Association of Teacher Educators). English teachers of the Centre immediately became actively involved in the work of the new Association.

The Department of Foreign Languages (DFL) currently has 63 staff members and is active at all faculties of the university.





5. IN-SERVICE TRAINING CENTRE (ISTC)

Activity of the Centre traditionally focuses on the implementation of accredited educational courses, grant projects and advisory service. In the context of these activities the Centre collaborated with MU faculties, the Ministry of the Interior of the Czech Republic, regional teaching centres and international institutions. The activities of the Centre were housed in the university building at Komenský square and in the educational centre in Šlapanice.

Educational Courses

Foreign Languages

Courses focused on foreign language teaching methodology based on the European reference framework with the emphasis on the new school-leaving examination and European language standards. The total number of courses, course cycles and seminars carried out in 2004 was 76, and covered 176 seminar days, with the involvement of 3,792 teachers.

State Administration

Courses for administrative staff were implemented in the context of the System of Administrative Staff Education for Self-Governing Units stipulated by Act no. 312/2000 Coll. The purpose was preparation of the administrative staff for work in municipal, city and regional councils, for special professional capability, and the form was day study with accommodation provided for the duration of the course. The courses lasted 2 weeks and involved 780 trainees.

Information Technology

In the context of the project of the Ministry of Education of the Czech Republic, SIPVZ "P1 – Information Literacy", 242 teachers of elementary and secondary and special schools took part in 22 courses in total amounting to 496 lessons. New selective advanced and specialised courses SIPVZ P1 implemented included: Internet publishing – creation of simple web sites, computer graphics and digital photography, administration of local school computer network.

In the context of internal education of MU staff courses of computer literacy were provided (Microsoft Word, Excel, Access, Power Point), in total amounting to 63 lessons and 105 employees of MU.

Student Consultant Specialisation Courses

A new two-year course in student consultancy was opened for 82 elementary and secondary school teachers.

Third Age University

On the basis of two development projects the content and organisational transformation of the first year of U3A (University of Third Age) took place. The second, the third and the fourth year, including the graduate club, continued on the basis of the current approved concept. Content innovations will be implemented in these years in stages, including increased diversification of methods and forms of education.

The U3A university has 820 senior students enrolled. In the context of another project a computer classroom was developed with 12 workstations to house computer literacy courses for seniors.

Development Programmes

In the context of transformation and development programmes for public universities the Centre implemented Integrated Project of the lifelong education at MU faculties, involving participation of FoE, FoA and FoS. In addition the Centre implemented project of Internal Education of MU Managers and two U3A development projects.

Educational Centre

The Educational Centre provided courses for administrative staff of self-governing units and teachers in the context of further education. In addition the Centre became the venue of events held by individual faculties of MU (FoEA, FoE, FoA), conferences held by the Brno University of Technology, seminars of the British Council, the OA Association, the Goethe Institute, the University Council of the Charles University in Prague, the Comenius Academy in Brno, and the Raiffeisen Building Savings Bank.

Student Social Care



1. STUDENT ACCOMMODATION

Accommodation capacity of MU was fully utilised in the course of academic year 2004. A significant increase was reported in the field of requirements of individual faculties and the Centre of International Studies for the accommodation of foreign students. In the summer fewer students asked for student dormitory accommodation and the dormitories were increasingly offered to the public in the context of complementary activities. Discussion on substantial change of the policy of subsidies for university student accommodation continued.

In academic year 2004/2005 the same criteria for accommodation allocation to students as in the previous year were applied. Preference was given to students first enrolled in day bachelor, master and advanced master courses. Traditional criteria continued to apply for second, third, fourth and fifth year students, including commuting distance, social and health aspects, and results of study. The accommodation of students of the second to the final year of study was divided into several stages. In the context of stage one accommodation was allocated to doctoral students, handicapped students and members of dormitory councils, followed by allocation of reserved rooms of faculties, Rector's reserve and Brno University of Technology spare accommodation capacity. In the context of stage two rooms not occupied by 1st year students were allocated on the basis of the waiting list. The dormitory capacity was increased by 6 beds located in the unused warehousing field of the dormitory on Mánesova street and in the unused service flat of the dormitory on nám. Míru. On the other hand, the capacity was reduced by two beds not meeting the required standards.

As of 1 October 2004 the number of applications for dormitory accommodation amounted to 7,871. 1st year students were allocated 3,032 beds. Out of the total number of 4,349 allocated beds 889 beds were not used by the students by the official beginning of the accommodation period. The free beds were allocated to other students on the basis of the updated waiting list.

The updated number of applications recorded by the Accommodation and Catering Services as of 11 October 2004 was 521. As of 31 December 2004 the IS MU recorded 8,101 applications for student accommodation since the beginning of the academic year. From 11 October 2004 on beds were allocated on the basis of updated applications. Up to 31 December 2004 just 40 students had updated their applications.

Table 1 Students Dormitories of Masaryk University of Brno

Dormitory	Address	Number of beds as to 31 December 2004
Vinařská	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	349
Klácelova	Klácelova 2, 602 00 Brno	313
nám. Míru	nám. Míru 4, 602 00 Brno	247
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
VUT	Kolejní 2, 612 00 Brno	170
Total		4,349

Table 2 Numbers of Applications and Students Accommodated as to 31 December 2004 (by faculty)

Faculty	Total number of applications	Accommodated	Total number of accommodated		
			Foreigners	Doctoral	1st year
FoL	949	475	7	4	240
FoM	1,158	544	45	16	330
FoS	997	563	13	112	315
FoA	1,643	810	40	37	494
FoE	699	324	1	8	210
FoEA	810	421	7	32	215
FoI	788	436	4	16	308
SoSS	580	317	36	18	203
FoSp	231	104	2	2	62
Others	246	82	77	0	29
Total	8,101	4,076	232	245	2,406





Table 3 Survey of Dormitory Capacity in 1998–2005

	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04	2004/05
Designed capacity	3,543	3,567	3,789	3,789	3,789	3,789	3,789
Actual capacity	4,034	4,077	4,317	4,298	4,287	4,287	4,291
Number of beds for students	3,919	4,043	4,211	4,192	4,174	4,175	4,179
Number of applications	5,948	5,961	6,330	7,518	7,863	7,393	8,101
Total number of students of day diploma study at MU	13,570	14,191	14,973	16,135	24,451	27,690	30,195
Beds for visitors to MU	20	34	106	106	106	106	168
SOKRATES	80	80	80	80	80	80	135

Table 4 History of Structure of Disposable Accommodation Capacity of Accommodation Capacity of MU

Academic year	MU	VUT	Other	Total	Index
1993/1994	3,286	90	0	3,376	100
1994/1995	3,141	300	20+26	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	0	4,071	120.6
1998/1999	4,019	0	0	4,019	119.0
1999/2000	3,981	250	0	4,231	125.3
2000/2001	4,211	160	0	4,371	129.5
2001/2002	4,192	170	0	4,362	129.2
2002/2003	4,174	170	52	4,396	130.0
2003/2004	4,175	170	0	4,345	128.7
2004/2005	4,179	170	0	4,349	128.8

2. BOARD

Accommodation and Catering Services provided board to students in three student canteens and six fast food shops providing hot meals and complementary food sales. The Kamenice building was equipped with a new fast food facility in 2004.

For improved standards of catering and compliance with effective hygienic regulations, warehouses and kitchens were reconstructed in all board facilities of the Accommodation and Catering Services.

The canteens were equipped with convectomats for meal preparation in compliance with modern board trends.

The canteens offer eight to twelve meals a day, including meat, meatless, vegetarian and low-calorie meals. The meals can be ordered via the Internet from the menus. There are weekly and day order options and free meals without orders.

Table 5 History of Numbers of Delivered Meals in MU Canteens, including Complementary Food Sales

Canteen	1997	1998	1999	2000	2001	2002	2003	2004
Mor. nám.	716,312 (47 %)	532,943 (48 %)	474,966 (49 %)	524,416 (50 %)	497,241 (51 %)	491,785 (51 %)	488,217 (51.7 %)	434,158 (43 %)
Veveří	463,833 (30 %)	361,885 (33 %)	266,626 (28 %)	214,265 (21 %)	258,383 (28 %)	216,312 (23 %)	155,516 (16.5 %)	208,807 (21 %)
Vinařská	349,177 (23 %)	212,620 (19 %)	216,658 (23 %)	300,706 (29 %)	212,182 (21 %)	250,433 (26 %)	300,401 (31.8 %)	359,195 (36 %)
Total	1,529,322	1,107,448	958,260	1,039,387	967,806	958,530	944,134	1,002,160

Year 2004 was an important milestone for Masaryk University for at least four reasons:

- The restructuring of the Rector's Office of MU and the development of its function of active management of all activities of the university, as well as qualified support for self-administration of the individual faculties and university departments. The ILBIT construction commenced building of the academic part of the Bohunice campus of Masaryk University in Brno and initiated the two extensive reconstructions (Joštova and Kotlářská).
- In competitions for the awarding of large research projects Masaryk University in Brno confirmed its leading position among research universities of the Czech Republic (being awarded two applied research centres and 18 research projects – with the promise of over CZK 2.5 billion from public support for science and research in the following seven years).
- MU commenced implementation of the MEDIPARK concept and in collaboration with the CzechInvest Agency and the region of South Moravia won support from the “Industry and Enterprise, Prosperity Measure” programme.

In the context of the restructuring, the function of the Bursar's Secretariat was reinforced (the position of head economist and internal administration manager). Newly established departments resulting from restructuring included the Department of Strategy and Progress responsible for the protection of industrial property rights, active fundraising, methodology and administration of projects together with active management of their preparation and academic evaluation. Together with this the role of the Department of Economy was supported, especially with tax management, and the activity of the scientific and research department was transformed from simple agenda management to active management of scientific and research projects.

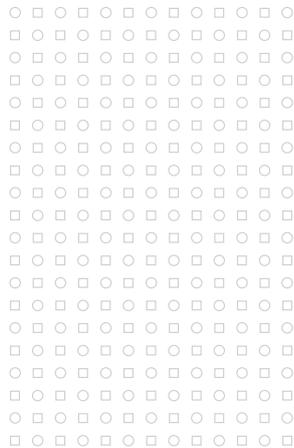
Detailed information about the results of individual departments of Masaryk University in Brno in competitions for projects can be obtained from tables included in Chapter 07 “Research and Progress”.

All constructions implemented by Masaryk university in Brno fall within the “Infrastructure Development Programme 233 330”, dealt with in detail in Chapter 11.

The purpose of the MEDIPARK concept in the fields of medicine, chemistry, biology and sports studies is linking science and research with innovation activities in industrial production and commercial services.

While in the field of publication activity Masaryk University in Brno stands side by side with global universities and research centres, the year 2004 only saw publication of two patents by the university centres. In 2004 the South Moravia Development Study was prepared in detail, considering the establishment of the Centre of Technology Transfer of Masaryk University in Brno and the biotechnological incubator INBIT in Brno-Bohunice.





Evaluation

The formulation of new strategic objectives and long-term aims allowing for further successful progress of Masaryk University in Brno is conditioned by the development of mechanisms of evaluation of the achieved results. That is why in 2004 Masaryk University in Brno underwent evaluation by a group of experts of the European University Association (EUA). Evaluation of this type deals with strategies of change and mechanisms of quality management, not with the quality of teaching and research as such. The report received by the university at the end of the evaluation process pointed out the strong and the weak points of MU in the abovementioned fields, including recommendations to be considered in the context of formulation of the strategy of further development of the university.

The evaluation process consisted of three stages. First MU made an extensive “self-assessing” analysis. Office for International Studies, guarantor of the whole project, prepared the report with the help of a control group of teachers and students. In the course of the following visits the team interviewed the Rector, the elected candidate for future Rector, Vice-Rectors, the Bursar, Deans, selected heads of departments and institutes, academic staff members, students, staff members of some of the centres, representatives of the Academic Senate, the Scientific Committee and the Board of Trustees, together making up more than 120 university staff members and students. The evaluation report based on the analysis performed confirmed the correctness of the aims and strategies determining the progress of the university in the recent period.

The report also identified certain risks jeopardising further growth and formulated recommendations for minimisation of these risks, involving mainly the following fields of activity:

- An increase in the role of the Academic Senate of the university and individual faculties in formulation of long-term goals;
- Support for inter-faculty cooperation in teaching and research and elimination of duplication of the teaching of certain subjects and disciplines, including a reduction in the number of institutes and departments responsible for such duplications;
- The improvement of industrial rights protection and specification of the rules of simultaneous activity of the staff at other universities or research centres;
- A significant increase of attention to be paid at the university to issues of quality management and the evaluation of teaching, research and management activities;
- The development of evaluation and self-evaluation mechanisms at all levels of organisation management;
- Support for further education of academic and non-academic staff.

Infrastructure Development Programme 233 330



Masaryk University in Brno is in the middle of a period of dynamic development accompanied with the necessary building of its infrastructure. The programme of “Development of Material and Technology Base no. 233 330“ (hereinafter “Programme”), approved by Governmental Resolution no. 2003 of 27 February 2002 for the period 2002-2006 (31 December 2006) includes not only reconstructions of historic buildings of MU in the centre of the city of Brno, but also a project unique in the context of Czech schools involving the construction of new modern teaching and research premises on the university campus in Brno-Bohunice.

Programme of Reconstruction and Modernisation

Together with the project of construction of the new campus MU is currently implementing an extensive reconstruction and modernisation programme concerning the university buildings in the historic centre of the city of Brno in the total planned volume of CZK 1.3 billion (2002-2006). The project includes extensive reconstructions of the buildings, renewal of their technological infrastructure, reconstruction of internal classrooms, laboratories and other interior spaces, as well as modernisation of the instrumental equipment of the laboratories and installation of information and audiovisual technologies.

University Campus of Masaryk University in Brno-Bohunice (UCB)

After completion of the construction of the UCB Masaryk University in Brno will have 50,858 m² of new purely usable field: 20,414 m² for teaching, 17,473 m² for laboratories, 5,330 m² for offices of academic teachers and staff and 1,970 m² of administrative space. The capacity of the UCB field is planned for 5,000 students and 500 academic staff members. About another 16 ha of the development field adjacent to the new university campus will be developed in 2006–2015 into a new city quarter including the necessary support infrastructure (such as student dormitories, canteens, sports grounds, conference and social background, leisure time fields etc.) making use of commercial and business activities, especially of a developmental and innovative nature.

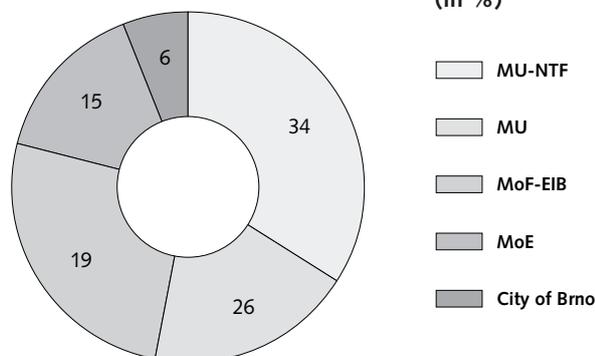
The aesthetic aspect of the new field will be underlined by the creation of a new botanical garden at the Faculty of Science of MU.

Programme 233 330 and its Financing

The programme has been approved to the total value of CZK 4.853 billion and in two sub-programmes – sub-programme no. 233 333 focusing on reconstructions of historical buildings of MU to the total value of CZK 1.250 billion (24%) and sub-programme no. 233 332 focused on construction of the new university campus in Brno-Bohunice (hereinafter UCB) in total worth CZK 3.603 billion. The city of Brno will contribute to the construction of the university campus to the amount of CZK 297 million. The financial scope of the sub-programme no 233 332 therefore amounts to CZK 3.900 billion (76%). The total approved financial volume of the Programme amounts to CZK 5.150 billion (including the original V.A.T.).

In the years 2002–2006 the main source of financing will consist of state budgetary means covered with a loan from the European Investment Bank in the total amount of CZK 3.120 billion (based on Loan Contract of 27 May 2002 concluded between the Czech Republic, acting through the Ministry of Finance of the CR (as debtor), EIB (as bank), and MU (as beneficiary). Other sources of financing include in-house resources of Masaryk University amounting to CZK 953.0 million, state budgetary means from the chapter of the Ministry of Education in the amount of CZK 780.0 million and funds of the city of Brno in the amount of CZK 297.0 million.

Diagram 1 Structure of Sources of Financing of Programme (in %)



MU-NTF – Masaryk University-National Training Fund

MU – Masaryk University

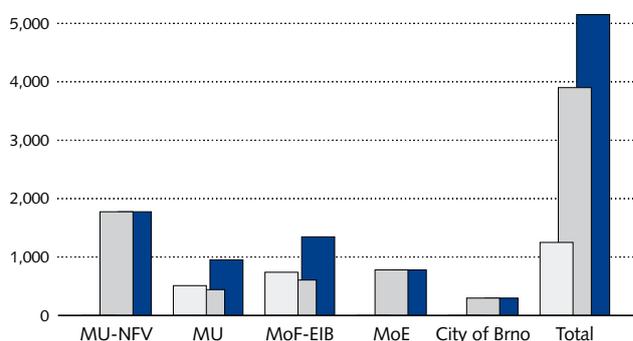
MoF-EIB – Ministry of Finance of the CR-European Investment Bank

MoE – Ministry of Education of the CR



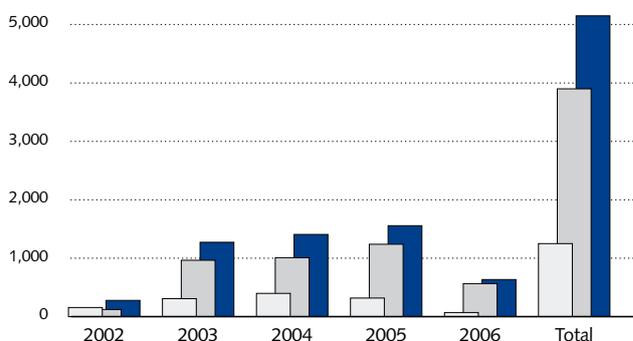
The liability of MU includes payment of returnable financial assistance to the state budget in the amount of CZK 1.775 billion from in-house resources of the university in the years 2007–2026. Masaryk University in Brno thus contributes to the financing of the whole project with the total amount of CZK 2.728 billion, i.e. 56 % out of the CZK 4.853 billion excluding the contribution from the city of Brno and 53 % out of the CZK 5.150 million including the contribution from the city of Brno.

Diagram 2 Structure of Financing Resources of Programme (in CZK million)



	Reconstruction 233 333	Construction 233 332	Programme 233 330
MU-NFV	0	1,775	1,775
MU	511	442	953
MoF-EIB	740	606	1,346
MoE	0	780	780
City of Brno	0	297	297
Total	1,250	3,900	5,150

Diagram 3 Schedule of Programme Financing (in CZK million)



	2002	2003	2004	2005	2006	Total
Reconstruction 233 333	156	308	398	318	70	1,250
Construction 233 332	122	965	1,009	1,239	565	3,900
Programme 233 330	278	1,273	1,407	1,557	635	5,150

The contribution of the total investment budget for 2004 to the Programme 233 330 implementation was CZK 385.349 million. The contribution of the budget chapter of the Ministry of Education of the Czech Republic amounted to CZK 273.202 million (system subsidies amounted to CZK 18.910 million, and individual subsidies to CZK 254.292 million) and CZK 112.147 million went from FRIM. The Programme was further financed from in-house non-investment funds in the amount of CZK 3.214 million.

The share of sub-programme 233 332 – UCB construction – in the total budget of the Programme in 2004 amounted to CZK 129.726 million of investment means, including CZK 85.589 million from the budget chapter of the Ministry of Education and CZK 44.136 million from FRIM. The share of sub-programme 233 333 – reconstruction and modernisation – in the total budget of the Programme in 2004 amounted to CZK 255.623 million investment means in total, including CZK 187.613 million from the Ministry of Education budget chapter, and CZK 68.011 million from FRIM.

The abovementioned in-house investment means in the total amount of CZK 3.214 million were used for implementation of the sub-programme 233 332 to the amount of CZK 0.026 million and for implementation of the sub-programme 233 333 to the amount of CZK 3.189 million.

The contribution of MU in the Programme in 2004 thus amounted to CZK 115.361 million (FRIM CZK 112.147 and non-investment funds CZK 3.214 million).

As to 31 December 2004 the total amount withdrawn for the Programme implementation amounted to CZK 940.991 million, including state budgetary means in the amount of CZK 589.353 million and in-house resources of MU in the amount of CZK 351.638 million. The returnable financial assistance has not yet been withdrawn.

In the course of 2004 preparation of Programme 233 330 encountered serious complications. In May 2004 the amended Value Added Tax Act came into force, resulting in an increase of the value added tax rate of construction and assembly works from the original 5% to 19%, i.e. an increase by – 14%. In addition, the year 2004 was marked with a significant increase of prices of construction work, especially as a result of increased labour cost, fuel cost and steel price. In statistical terms, the increase in prices of construction works between autumn 2001 when the prepared government resolution stipulated the cost budget of the Programme and the end of 2004 amounts to 17.4%, based on official sources (URS). At the same time further inflation growth must be expected in the following years of the Programme implementation, currently estimated to 4% a year.

As a consequence of the abovementioned legislative and macroeconomic changes there is an objective necessity to increase funding of construction of the university campus of MU (UCB) to be able to complete the project within the originally designed scope. In September 2004 MU commenced negotiation with the Ministry of Education of the Czech Republic concerning solution of the arisen situation.

Sub-Programme 233 333 – Reconstruction of Historic Buildings of MU

In 2004 all planned reconstructions were completed as planned, with the exception of the following four still ongoing events: reconstruction of the building in Joštova 10 (commenced in October 2003), reconstruction of the premises in Kotlářská street (commenced in October 2004), reconstruction of the roof of the building of the Faculty of Law (commenced in October 2004) and equipment with machines and instruments (commenced in the year 2002).

- The total number of completed investment projects of reconstruction and modernisation of MU buildings was 34 in the total amount of CZK 234.5 million, i.e. 100 %.
- The ongoing projects include reconstruction of the building in Joštova street 10: In total worth CZK 246.6 million, including the increased V.A.T., so far withdrawn amount: CZK 166.0 million (67%), completion deadline July 2005, contractor ŽS Brno, a. s.
- Further ongoing reconstruction includes the premises in Kotlářská street no. 2: In total worth CZK 607.2 million, including the increased V.A.T., so far withdrawn amount: CZK 88 million (14%), completion deadline December 2006, contractor ŽS Brno.
- Outside the scope of financing of the Programme 233 330 there is the reconstruction of the roof of the building of the Faculty of Law in Veveří 70: In total worth CZK 15 million, including the increased V.A.T., completion deadline March 2005, contractor Kaláb – construction company, limited liability company.
- The ongoing purchases of machines and equipment amount in total to CZK 221.6 million, the amount withdrawn so far amounts to CZK 133.5 million (60%), completion deadline December 2006.

The total amount withdrawn for the purpose of implementation of sub-programme 233 333 amounts to CZK 622 million out of the total of CZK 1,250 million, i.e. 50%.

The implementation of the sub-programme 233 333 complies with the schedule and the completion deadline of 31 December 2006.

Sub-Programme 233 332 – Construction of University Campus in Brno-Bohunice (UCB)

The first part of the sub-programme already implemented included reconstruction of MORFO III, following reconstruction of MORFO I and II implemented earlier outside the Programme 233 330. Reconstruction of MORFO III was completed in 2004 and the total costs amounted to CZK 170.2 million. The general contractor was Unistav a. s. (launched on 9 March 2004).

Construction of the teaching part of the UCB includes two buildings: in 2004 this part of the project commenced with construction of the Integrated Laboratory of Bio-Medicinal Technologies ILBIT (August 2004 – July 2005) and the second construction currently under preparation will concern Academic Teaching and Research Field AVVA (April 2005). The construction of the second building is divided into four stages (Blue, Yellow, Green, and Infrastructure). In relation to the UCB:

- The land agenda was completed, i.e. all restitution claims were settled (contracts of 4 March 2004) and the land plots for the whole construction were exchanged (contracts of 9 November 2004).
- The site approval and the building permit for the ILBIT (first construction) were issued and the construction itself started on 2 August 2004 in total worth CZK 729.3 million, including the increased V.A.T. (out of that general construction delivery amounts to CZK 450.1 million, V.A.T. exclusive). The amount withdrawn so far is CZK 130 million (18%). The general contractor to deliver the construction is ILBIT Consortium consisting of IMOS Brno, a. s. and Metrostav, a. s.
- The site approval (16 June 2004) was issued for the whole remaining part of the AVVA construction.
- The building permit for AVVA Blue Stage (27 December 2004) was issued too.
- Documentation for AVVA Yellow Stage has been completed until the final stage of negotiation with the user. Documentation for AVVA Green Stage is in the middle of initial preparation. Documentation for infrastructure (AVVA Infra) has been nearly completed. A substantial proportion of this part will be financed from the contribution of the city of Brno.
- A study of operation costs of the UCB has been made, and a contract about future contract about provision of heat has been signed with the University Hospital in Brno-Bohunice.

The total amount withdrawn for the purpose of sub-programme 233 332 as to 31 December 2004 amounted to CZK 319 million out of the total CZK 3,900 million (including the contribution of the city of Brno), i.e. 8 %.

In the year 2004 all planned objectives were accomplished.





Economy and Internal Administration

12

This chapter provides a view of the activity of the university in economic terms. The main attributes of activity in the field of economy and internal administration connected with the year 2004 include:

- Implementation of the impact of legislative changes, including but not limited to Act no. 235/2004 Coll., on Value Added Tax, amendment of Decree no. 504/2002, Act no. 40/2004 Coll. on public tenders in relation to legislative changes following after EU accession;
- Implementation of “Infrastructure Development Programme 233 330”, especially commencement of the last projects of the programme of reconstructions 233 333 and commencement of construction of the university campus in Bohunice 233 332;
- Consolidation of the activity of the Rector’s Office by implementation of organisational change, introduction of the system of perform-

ance evaluation with the aim of developing coordination, analytical, methodological (advisory and educational) and control activity of the Rector’s Office;

- Revision of the internal standards of MU and consolidation of the process of internal standard generation and continuous certification and inspections for the purpose of reduction of the risks related to findings of external control authorities in close collaboration with external auditor and including setting of the internal audit system;
- Creation of conditions for the introduction of a system of project administration and management, especially by allocation of complex responsibility of the project manager;
- The development of activities which will encourage increased standards of system integration of the economic information system of MU.

1. NON-INVESTMENT BUDGET

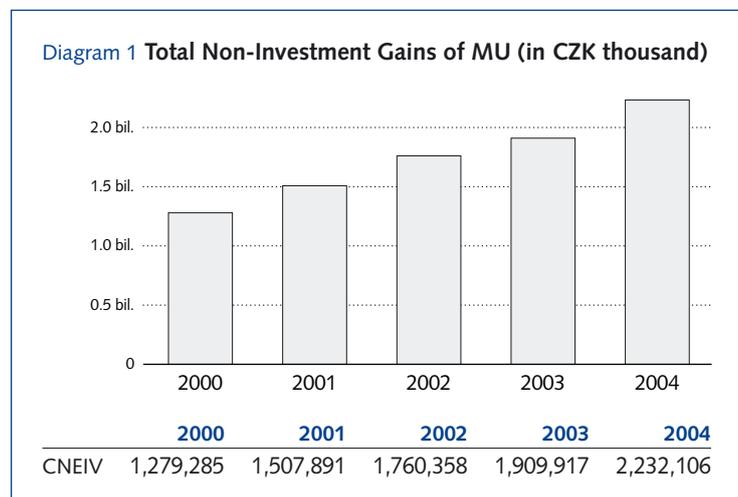
Total non-investment gains of MU in 2004 amounted to CZK 2,232 million, which represents year-on-year increase since 2003 of 17%. The economic results of the university after tax in 2004 amounted to CZK 57.458 million, representing 2.57% of total gains of MU. The positive aspects of MU evaluation include positive economic results of all faculties and university-wide centres.

Positive non-investment gains of the university in 2004 were favourably affected by an increase in the number of students from 27,690 (2003) to 30,213 (2004), i.e. by 9%, which affected mainly year-on-year increase of normative subsidy for educational activity (indicator A) by 25%.

In 2004 the non-investment subsidy provided from the budget chapter of the Ministry of Education amounted in total to CZK 1,695 million, subsidies from other chapters of the state budget and from the budgets of local government authorities amounting to CZK 92 million, subsidies from abroad to amounting to CZK 31 million and subsidies from other public resources amounting to CZK 12 million. The total contribution from public resources and from abroad amounted to CZK 1,831 million, returned unused non-investment subsidies amounting to CZK 2.174 million, i.e. 0.12% of the provided subsidies.

Normative non-investment subsidies of the Ministry of Education for educational activity and specific research in 2004 amounted to CZK 1,311 million, i.e. 58.7% of the total gains. 2004 non-investment normative subsidy for education (indicator A) amounted to CZK 1,213 million (an increase of 25%) and support for specific research amounted to CZK 98 million (an increase of 4.6%).

Diagram 1 Total Non-Investment Gains of MU (in CZK thousand)



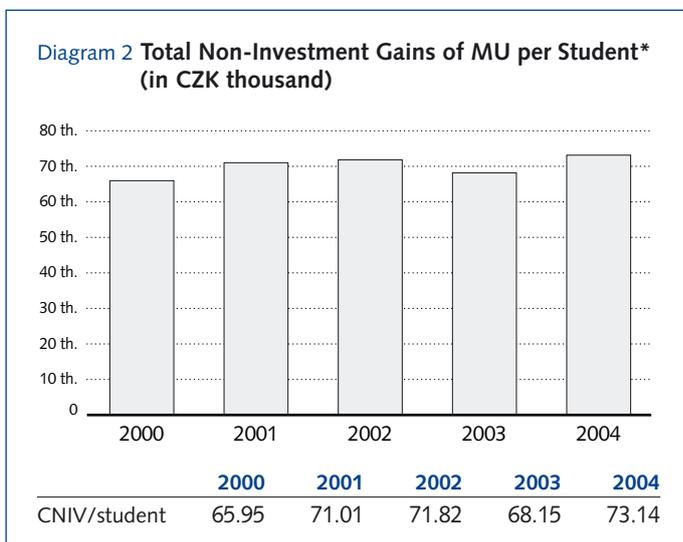
Non-investment subsidies for research and development (normative and single-purpose) amounted to CZK 360.421 million (including CZK 253.113 million from the budget chapter of the Ministry of Education, CZK 89.785 million from the other state budget chapters and from the budgets of self-governing units, and CZK 17.523 million from the foreign research subsidy). The share of non-investment subsidies in total gains in 2004 amounted to 16.15 %. Non-investment

subsidies for educational activity and operation (normative and single-purpose) were provided in the amount of CZK 1,456.9 million (including CZK 1,442 million from the budget chapter of the Ministry of Education, CZK 1.2 million from the other state budget chapters and from the budgets of self-governing units, and CZK 13.7 million from abroad).

Non-investment subsidies for accommodation and board of students in 2004 amounted to CZK 52.352 million, comparable to the year 2003 (CZK 54.129 million) and amounting to 33 % of total gains of the Accommodation and Catering Services.

The in-house income of MU amounted to CZK 403.578 million (18% of the total gains), i.e. a 22% increase compared to the year 2003, including CZK 316.865 million income from principal activities, i.e. 20% year-on-year increase, and CZK 86.713 million income from complementary activities, i.e. a 25% year-on-year increase.

Interesting indicators include the fact that the share of received subsidies from abroad amounted to CZK 31.199 million (an increase of 63%), including CZK 13.676 million for educational activity (an increase of 59%) and CZK 17.523 million for research and development (an increase of 67%). The share of subsidies from abroad amounted to 1.4% of total non-investment gains in 2004.



* BA., MA., Ph.D., Lifelong Education in ASP

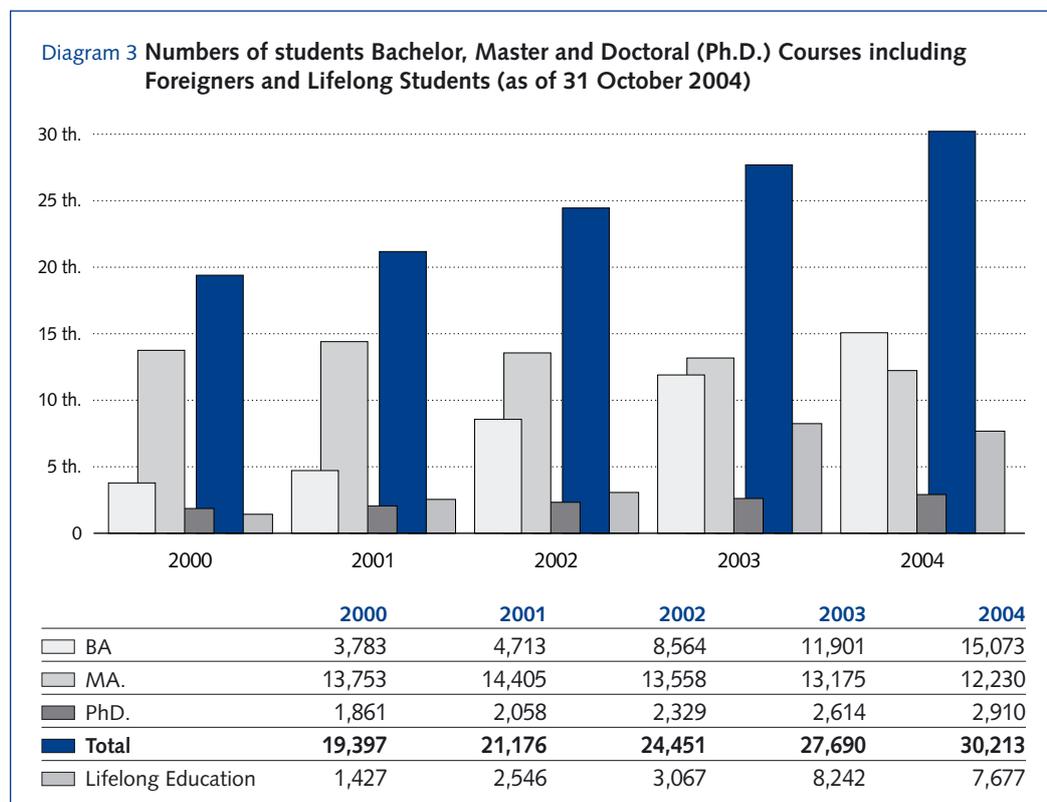
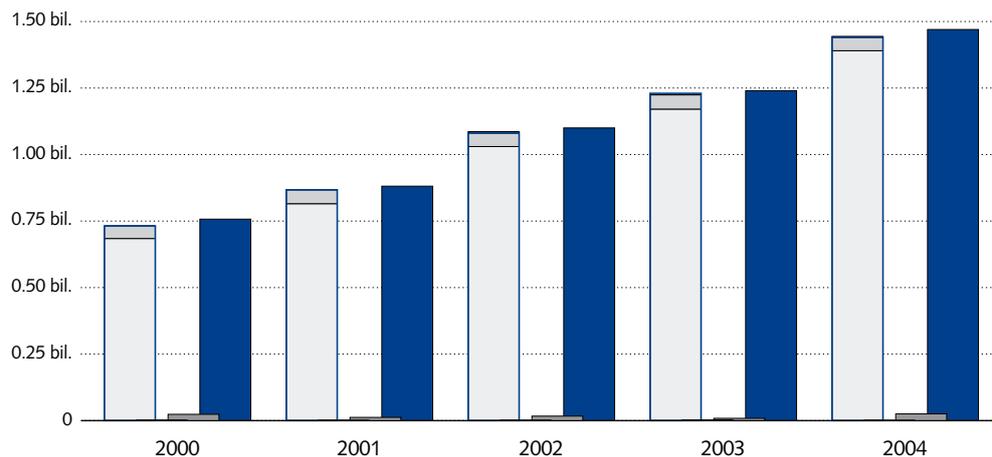




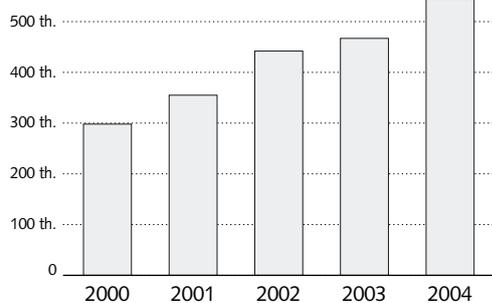
Diagram 4 Provided Non-Investment Subsidies for Educational Activity (in CZK thousand)



	2000	2001	2002	2003	2004
Ministry of Education	731,419	867,568	1,080,840	1,190,198	1,442,017
Educational activity ¹⁾	683,910	814,581	1,027,120	1,135,429	1,388,100
Dormitories and canteens	47,509	52,349	53,297	54,129	52,352
Other departments of MoE	–	638	423	640	1565
Other chapters of state budget and self-government authorities	2,176	1,481	1,530	3,062	1,245
From abroad + other ²⁾	23,643	12,072	16,888	8,597	13676
Total	757,238	881,121	1,099,258	1,201,857	1,456,938

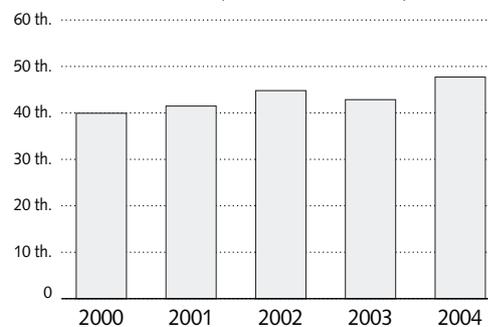
Notes: ¹⁾ Excluding Cesnet in 2003
²⁾ Excluding refrained from penalty

Diagram 5a Provided Non-Investment Subsidies for Education per Staff Member (in CZK thousand)



2000	2001	2002	2003	2004
298.14	355.06	441.80	467.44	547.08

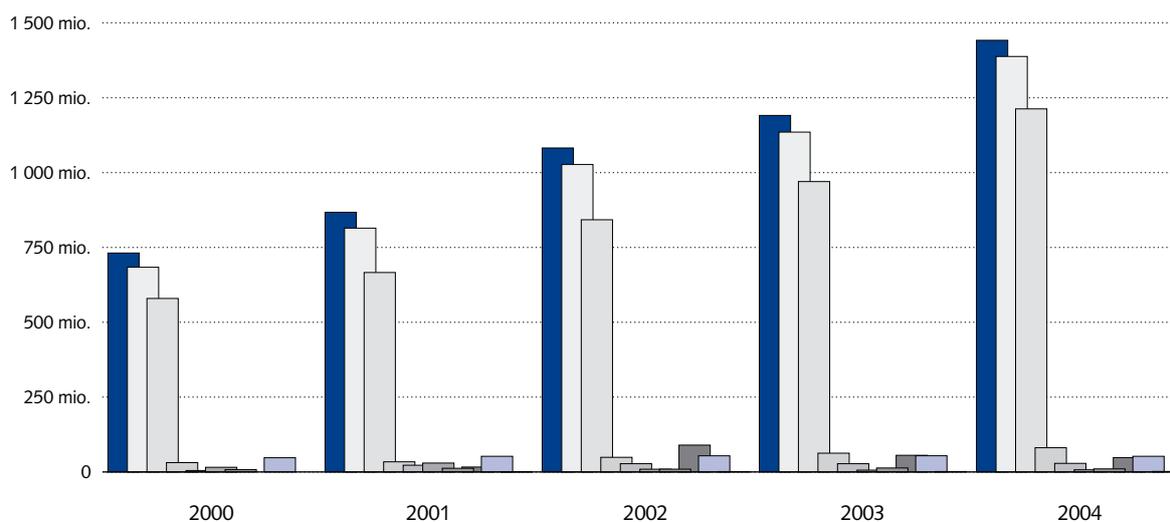
Diagram 5b Provided Non-Investment Subsidies for Education per Student (in CZK thousand)



2000	2001	2002	2003	2004
39.93	41.47	44.80	42.85	47.72

* BA., MA., Ph.D., Lifelong Education in ASP

Diagram 6 Provided Non-Investment Subsidies for Education from Budget Chapter of the Ministry of Education (in CZK thousand)

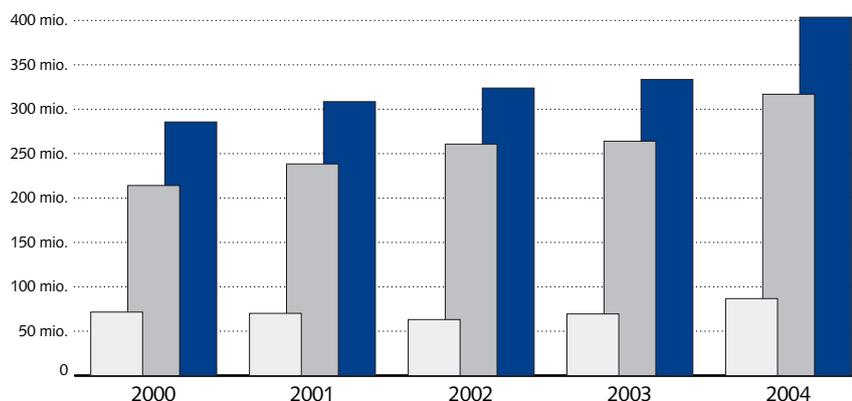


	2000	2001	2002	2003	2004
MoE total	731,419	867,568	1,080,840	1,190,198	1,442,017
MoE educational activity ¹⁾	683,910	814,581	1,027,120	1,135,429	1,388,100
Indicator A	579,566	666,281	842,523	970,132	1,212,995
Indicator B – further education of teachers	3,471	–	–	–	–
Indicator C – PGS scholarships	31,187	33,885	48,870	62,700	80,920
Indicator D – foreign students, Socrates etc	4,758	22,479	27,582	27,557	28,729
Indicator E – NEI connected with INvestment construction	29,711	22,240	–	–	–
Indicator F – educational policy fund	15,569	29,748	9,183	6,086	7,185
Indicator G – Fund for Development of Universities ²⁾	7,617	12,330	9,291	13,293	10,238
Indicator H – Emergencies	12,031	11,183	–	–	–
Indicator I – transformation and development programmes ²⁾	–	16,435	89,671	55,661	48,033
MoE dormitories and canteens	47,509	52,349	53,297	54,129	52,352
Other departments of MoE	–	638	423	640	1,565

Notes: ¹⁾ CESNET subsidy excluded (indicator M)

²⁾ Incl. NEI via financing programme

Diagram 7a Complementary and In-house Activities of MU (in CZK thousand)



	2000	2001	2002	2003	2004
Complementary activity	71,546	70,109	63,120	69,460	86,713
In-house income in gains	214,100	238,385	260,735	263,976	316,865
Total	285,646	308,495	323,855	333,436	403,578





Diagram 7b Complementary and In-house Activities of MU per Rated Employee (in CZK thousand)

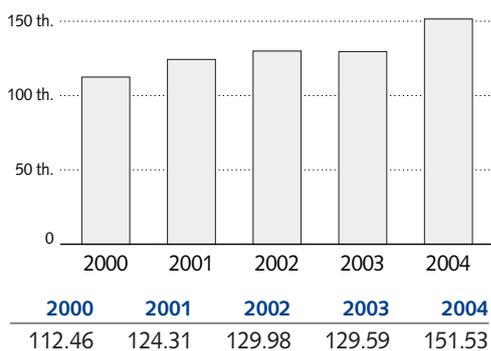


Diagram 8 Provided Non-Investment Subsidies for Research and Science Recalculated per Employee (in CZK thousand)

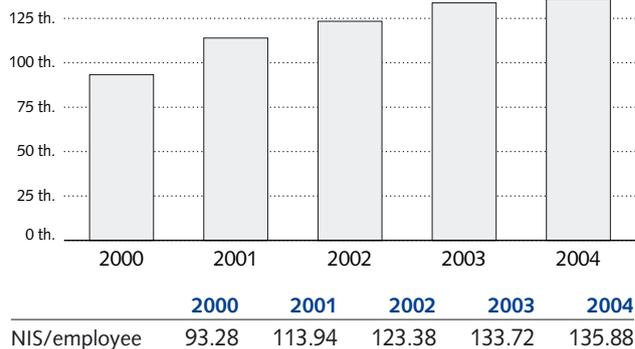
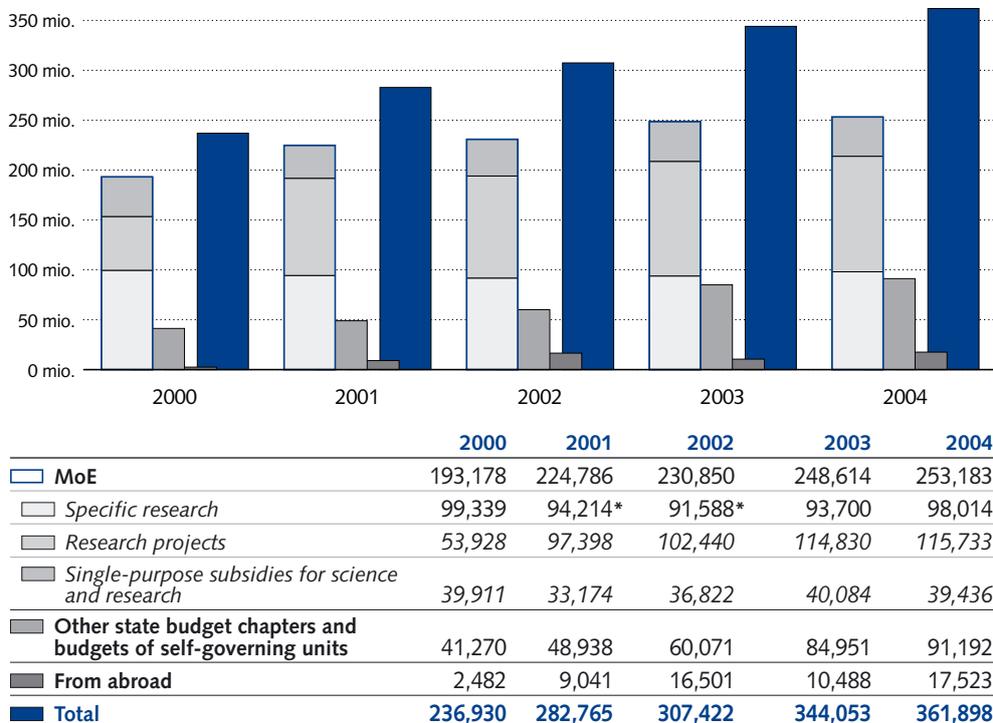


Diagram 9 Provided Non-Investment Subsidies for Science and Research (in CZK thousand)



Note:
*Cesnet subsidy excluded

2. WAGES AND EMPLOYEES

Significant indicators include the share of wages paid from all sources (including OON) in total gains, social security and health insurance excluded, which in 2004 amounted to CZK 884.943 million, i.e. 40% of total gains. Wage costs excluding OON amounted to CZK 837,541 thousand. The mean wage (OON exclusive) of the 2,663.35 employees amounted to CZK 26,206/month, representing a 19% increase in comparison to 2003. Out of the total number of 2,663.35 rated employees of MU there were 1,216.14 teachers, 32.84 researchers and 1,414.38 non-academic staff. Wage costs corresponding to the individual groups of employees amounted to

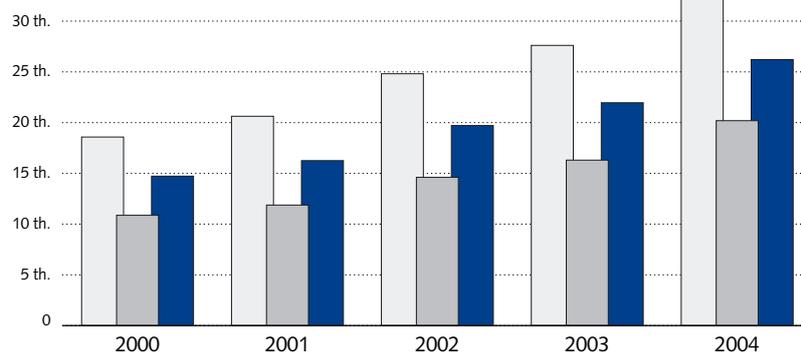
CZK 483,396 thousand, CZK 11,480 thousand and CZK 342,665 thousand, respectively.

The paid out social security and health insurance of employees in 2004 amounted to CZK 297.116 million. Total HR costs including social security and health insurance in 2004 thus amounted to CZK 1,182.059 million, i.e. 54.47% of the total costs of MU.

The implemented asset stocktaking revealed that in 2004 total assets of MU amounted to CZK 4,539,120.85 thousand (year-on-year increase by 6.6%), including CZK 4,465,169.39 thousand worth of long-term tangible assets (year-on-year increase by 6.5%) and CZK 73,951.46 thousand worth of long-term intangible assets (year-on-year increase by 10.9%).

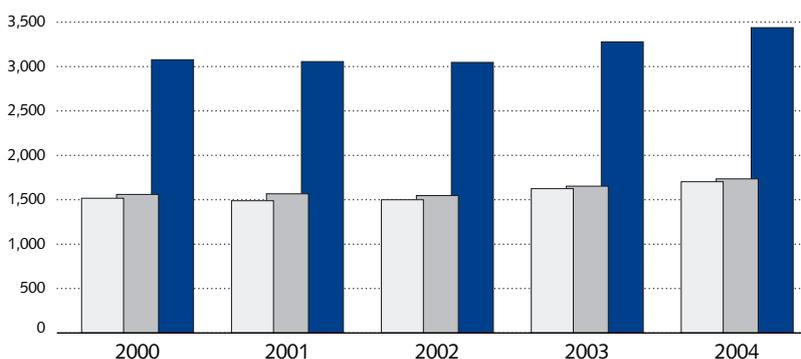
Total write offs (depreciations) amounted to CZK 1,853,518.80 thousand. Total write offs, i.e. the ratio of total depreciations and the asset value, amounted to 40.8 %.

Diagram 10 Mean Wages and Salaries (OON exclusive) of Academic and Non-Academic Staff of MU in the Years 2000–2004 (in CZK thousand)



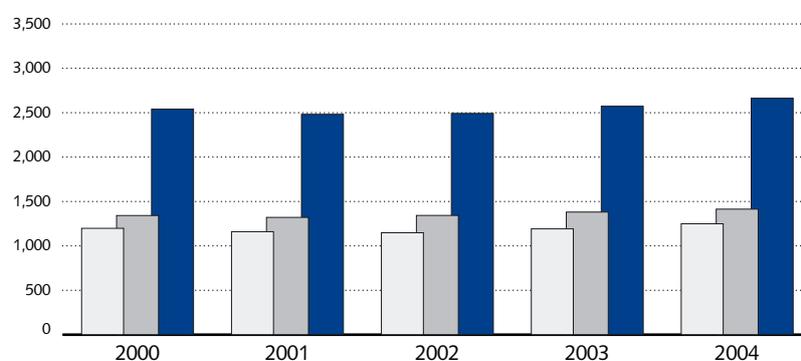
	2000	2001	2002	2003	2004
Academic staff member	18,581	20,627	24,815	27,609	33,023
Non-academic staff member	10,869	11,877	14,609	16,305	20,192
Total	14,725	16,252	19,712	21,957	26,209

Diagram 11a Physical Numbers of Employees of MU in the Years 2000–2004



	2000	2001	2002	2003	2004
Academic staff member	1,517	1,489	1,500	1,625	1,703
Non-academic staff member	1,560	1,567	1,547	1,653	1,735
Total	3,077	3,056	3,047	3,278	3,438

Diagram 11b Rated Numbers of Employees of MU in the Years 2000–2004



	2000	2001	2002	2003	2004
Academic staff member	1,198	1,160	1,148	1,192	1,249
Non-academic staff member	1,342	1,321	1,343	1,381	1,414
Total	2,540	2,482	2,492	2,573	2,663





Diagram 12a Wage Costs and Deductions from Wages*
(in CZK thousand)

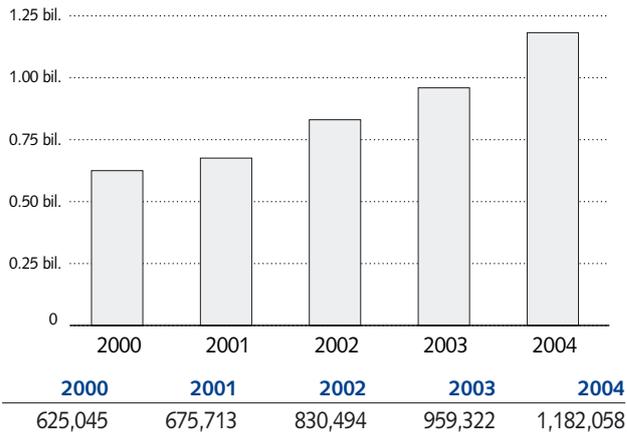
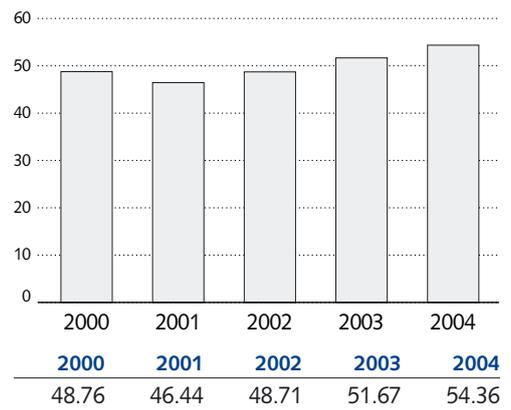


Diagram 12b Share of Wages in Non-Investment Costs of MU (in %)



* Including royalties (before 2003)

Diagram 13 Intangible and Tangible Assets in Acquisition Prices
(in CZK thousand)

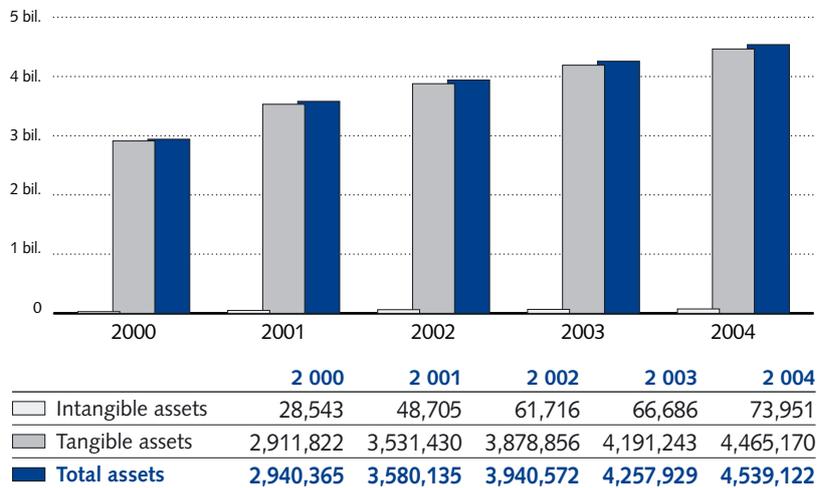
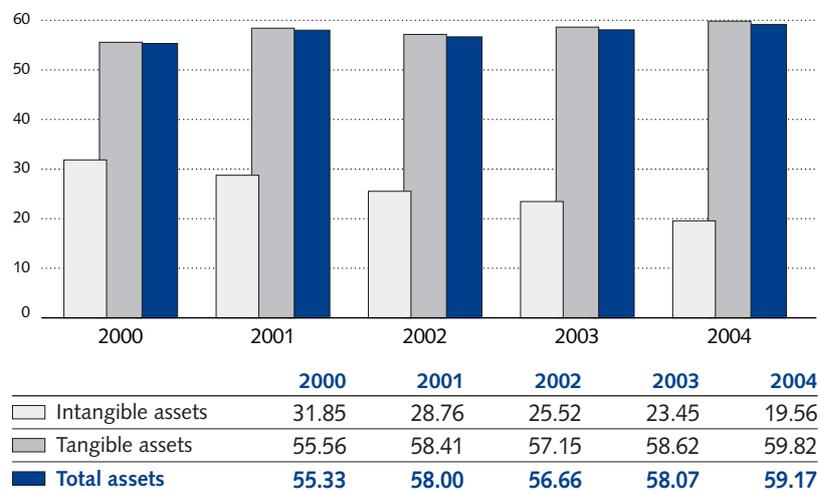
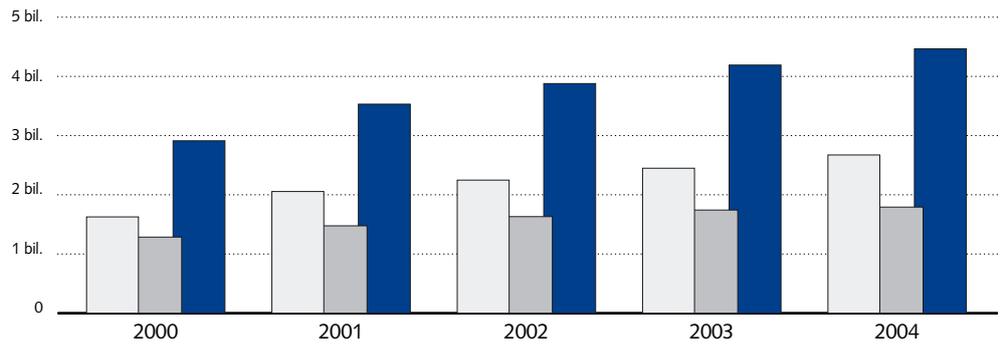


Diagram 14 Written Off Intangible and Tangible Assets* (in %)



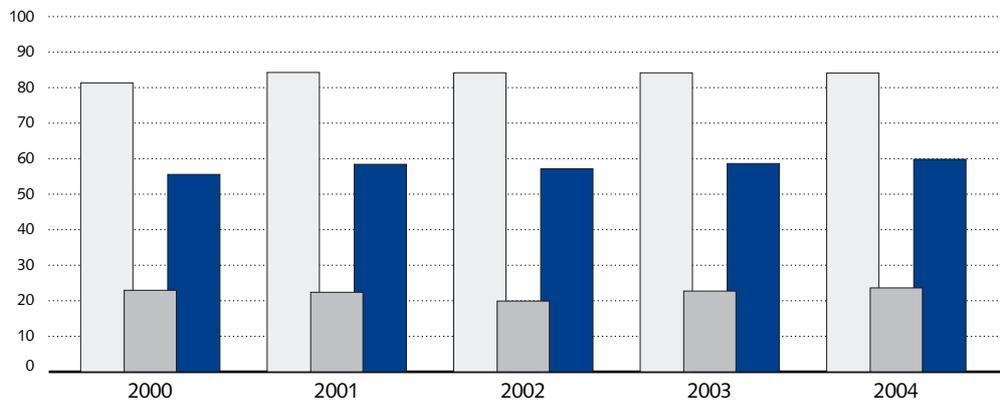
* Share of asset value in balance price/acquisition price ratio

Diagram 15 Real Estates and Movables in Acquisition Prices (in CZK thousand)



	2000	2001	2002	2003	2004
Real estate property	1,626,451	2,055,431	2,247,823	2,448,799	2,672,857
Movable property	1,285,371	1,475,999	1,631,033	1,742,444	1,792,313
Total tangible assets	2,911,822	3,531,430	3,878,856	4,191,243	4,465,170

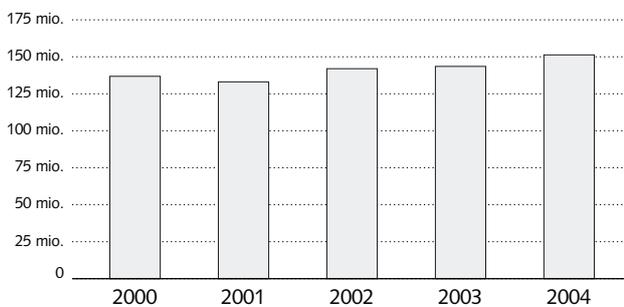
Diagram 16 Written Off Real Estates and Movables*



	2000	2001	2002	2003	2004
Real estate property	81.34 %	84.27 %	84.18 %	84.16 %	84.10 %
Movable property	22.95 %	22.39 %	19.91 %	22.73 %	23.62 %
Total tangible assets	55.56 %	58.41 %	57.15 %	58.62 %	59.82 %

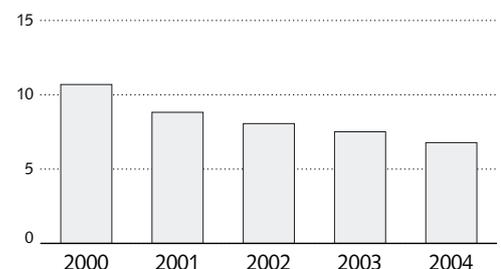
* Share of asset value in balance price/acquisition price ratio

Diagram 17a Annual Depreciations Total (in CZK thousand)



2000	2001	2002	2003	2004
136,815	133,044	141,966	143,509	151,297

Diagram 17b Annual Depreciations from Total Non-Investment Gains Total (in %)



2000	2001	2002	2003	2004
10.69	8.82	8.06	7.51	6.78



3. FUNDS

Significant economic indicators also include the status of funds created pursuant to Act no. 111/1998 Coll., on universities, according to which universities should create four funds: remuneration fund, reserve fund, investment asset reproduction fund (FRIM) and scholarship fund. The total volume of the funds as to 31 December 2004 amounted to CZK 339.4 million (year-on-year increase by 28.9%), including CZK 12.7 million remuneration fund (year-on-year increase by 28.3%), CZK 96.4 million reserve fund

(year-on-year increase by 0%), CZK 214.7 million investment asset reproduction fund (year-on-year increase by 45.5%) and CZK 15.6 million scholarship fund (year-on-year increase by 73.4%).

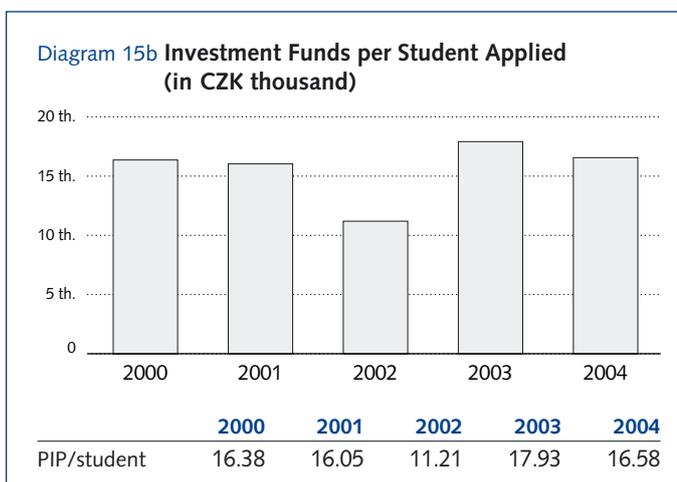
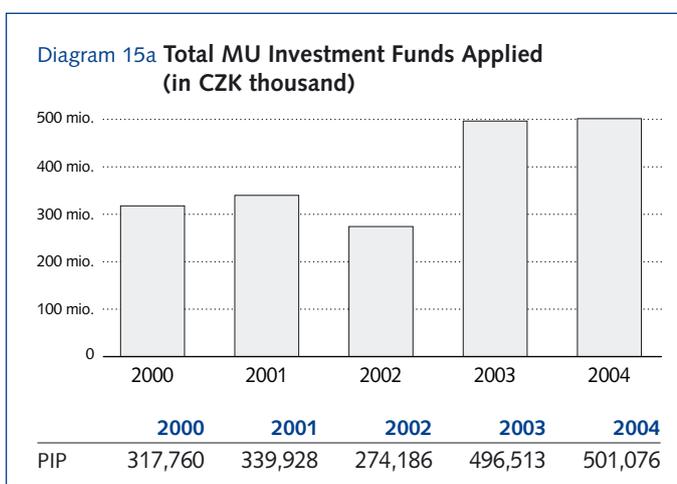
Creation of the remuneration fund and the FRIM revealed the fund increase from the economic results of 2003 to the amount of CZK 53.298 million, including CZK 7.383 million into the remuneration fund and CZK 45.915 million into the FRIM.

4. INVESTMENT BUDGET

Total investment budget of MU in 2004 amounted to CZK 501.076 million, including CZK 365.116 million from capital subsidies (CZK 110.824 million of system subsidies and CZK 254.292 million of individual subsidies) and CZK 135.960 million from FRIM.

Programme 233 330

Since 2002 Masaryk University in Brno has implemented an extensive investment project called the Programme of Development of Material and Technology Base no. 233 330 (hereinafter Programme) approved by Governmental Resolution no. 203 of 27 February 2002 for the period 2002–2006 (31 December 2006). Detailed information about the Programme of Development of MU is the subject of the previous chapter of this Annual Report.



5. CONCLUSION

Balance Sheet of MU for 2004 was audited. The auditor's statement is enclosed in the Annual Economic Report of MU for 2004.

1. OFFICE FOR INTERNATIONAL STUDIES (OIS)

The main tasks of the FSC in 2004 included the organisation of the project of MU evaluation by a group of experts of the European University Association (see Chapter 10). As in the previous years the FSC was active in the following five fields: international cooperation, foreign language programmes, MU presentations, activities in the context of international networks and other activities.

2. INTERNATIONAL COOPERATION

SOCRATES/ERASMUS

The main mobility programme of MU is called SOCRATES/ERASMUS, allowing for stays of students and teachers of MU abroad, and stays of foreign students and academics at MU. The projected low increase of the scope of this programme in the academic year 2003/2004 became a reality: The 361 students of MU travelling abroad represent a growth of a mere 6% and the 66 MU teachers represent a mere 4.5% increase. The number of foreign students coming to Brno in the context of the ERASMUS programme in the current academic year was 80, representing an increase of 13%.

In comparison to the previous academic year the year 2004/2005 represented no significant increase of the number of students and teachers of Masaryk University in Brno taking part in the ERASMUS programme (about 20%). The assumed increase in the number of foreign students coming to MU was confirmed; in the academic year 2004/2005 about 160 foreign students were enrolled in MU courses, representing an increase of 103 %.

It is also pleasing that faculty involvement in ERASMUS sub-programmes increased (Intensive programme – FoM, FoE, Thematic Network – FoS), Comenius (FoA, FoE, FoS), Arion (FoA) and Grundvig (DFL, FoE).

LEONARDO

Students and graduates of Masaryk University in Brno could receive more scholarships in the context of the LEONARDO programme in 2004. Project cooperation with the West Bohemian University of Plzeň was extended, the mobility project of 2003 was continued and a new project designed for 20 students was commenced. Fresh graduates could enjoy a new graduate project.

Scholarships in the context of the project were received by 13 graduates. In the year 2004 the total number of placements in mobility projects for MU students and graduates increased by another 37 placements. Scholarships in Member and Accessing EU and EEA countries and Candidate countries lasted for between 2 and 9 months.

The international LeoNet network, where Masaryk University in Brno has been a member for a second year, developed a new job offer database. Access to the database was published on the OIS web in the LEONARDO section. The range of offers was large and regularly updated, which opened new opportunities in seeking suitable employers. Masaryk University continued with other LEONARDO projects, including but not limited to pilot projects at the Faculty of Science and the Faculty of Social Sciences.

JEAN MONNET

In the year 2004 six projects in the context of the Jean Monnet programme were continued (the so called Jean Monnet Chair, European module and Permanent course), involving FoL, FoA, FoE and SoSS. A new project was accepted by the European Commission (the project team came from the Department of Political Science of the SoSS) in stiff competition with another 326 submitted projects.

CEEPUS

The number of MU projects decreased by one to the final number of six. The following faculties were involved: FoA, FoS, FoE and FoSp. The most interesting of them was the project in the context of which MU can provide professional growth of a couple of young academic workers of Bosnia (research scholarships at MU). The CEEPUS seminar, held in November 2004, featured the



only member of the CR thematic network project team, Mr. Assoc. Prof. Jiří Matyášek of FoE, and a student of the doctoral course in geochemistry of the Sarajevo University, Ms. Jasminka Alijagicova.

Cooperation with Partner Universities

Teacher exchange with “twin” universities (Wroclaw, Poznan, Szeged, Pécs, Bratislava, Vienna, Regensburg, Greifswald) was extended to 335 “teacher-days”. In 2004 the FSC changed the method of teacher nomination for the purpose of better support of stays leading to the establishment of new contacts and the extension of cooperation with new partners at the twin universities. If the new model proves good it will continued to be used in the future.

Bilateral Contracts

In 2004 a couple of new bilateral contracts were concluded: with the Sofia University (Bulgaria), the Quebec University in Montreal (Canada), the Mykolas Romeris University (Lithuania), the Waikato University (New Zealand), the Russian Educational Academy University, Moscow (Russia), the Nebraska Lincoln University (the U.S.A.) and the Oklahoma University (the U.S.A.).

Cooperation was renewed with the Institute Orientale in Naples (Italy), the Regensburg University (Germany), the Adam Mickiewicz University in Poznan (Poland) and the College of Chemistry in Krakow (Poland).

Other Scholarships

In the context of special agreements students of MU received scholarships in Pécs, Dresden and Leuven and the Kansai Gaidai University (Japan) and the Bard College (the U.S.A.).

Development Programmes of the Ministry of Education of the Czech Republic

Every year financial support of the Ministry of Education in the context of development programmes allows the FSC to offer scholarships to students travelling to universities with whom MU has effective bilateral contracts, or planning to study at universities abroad as so called “free movers”.

In 2004 the number of students whom this type of scholarship allowed to spend one or two terms at an European, American, African or Asian university, increased moderately: from 123 to 132 (including 32 “free movers”).

Stays in the Context of Inter-Government Agreements

Every year the Academic Information Agency offers stays of different kinds on the basis of contracts signed between the Government of the Czech Republic and governments of other countries (summer courses, scholarships, research and lecture visits). In 2004 the offers were taken up by 11 academic staff members and 38 MU students. The beneficiaries travelled to 18 European countries, China and Mexico.

3. FOREIGN LANGUAGE PROGRAMMES

Central European Study Programme (CESP)

This one-term programme in English offered each term to paying U.S. students, students coming on the basis of bilateral contracts, students of the ISEP programme and students coming to MU in the context of SOCRATES/ERASMUS programmes, reported a significant increase of applicants in the 2004 winter term. The main increase was represented by SOCRATES/ERASMUS programme beneficiaries. Following the statistics the CESP was the key course at MU for most of them. In 2004 CESP was followed by 95 students, in contrast to the 53 students in 2003.

TESOL TE and CELTA

The FSC organises another one-term programme for teachers of English. The TESOL TE programme is designed for international participants desiring to teach their mother tongue, English, to foreigners. The participants may decide to either take the whole TESOL TE course, including methodology, practical training, and complementary linguistic lessons (preferred by American students) and lessons in Czech culture, or choose the CELTA course. The latter course is preferred by Czech students and international lecturers living and working in the Czech Republic for a longer period of time and teaching at one of the language

schools in Brno. After successful completion of the course the participants receive the internationally recognised and time unlimited CELTA certificate (Certificate in English Language Teaching to Adults), issued directly by the University of Cambridge. This certificate qualifies the holder for professional teaching of English as a foreign language all over the world. In 2004 the programme was offered in the summer term.

PRESENTATIONS

Important activities of the FSC include presentations of Masaryk University in Brno at various conferences and other events at home and abroad. In 2004 the staff of the FSC took part in the two main traditional conferences and education fairs in Europe and in America in the field of international relations held by the EAIE (European Association for International Education) in Turin and NAFSA (Association of International Educators) of Baltimore.

EAIE

The FSC coordinated a project aimed at promotion of the city of Brno and its universities at the international forum and address of potential partners for exchange, research and other forms of cooperation. The stand of all Brno universities at

the conference met universities, introduced their courses, subjects taught in English and options offered to foreign students.

A staff member of the FSC presented a contribution at the conference on “Involvement of Student Organisations in Student Mobility” coordinated by the Utrecht University in cooperation with the University of Oklahoma. MU was also represented at the conference by the president of the student organisation Erasmus Student Network.

NAFSA

The conference became a meeting place of FSC staff and representatives of several American universities and in cooperation with the Fulbright Foundation coordinated a reception for presentation of Central and East European universities.

EDUEUROPA

MU was the only representative of Czech universities taking part in the Education Fair in Mexico (EDUEUROPA). The fair was held in three cities (Monterrey, Guadalajara and Mexico D.C.) and its aim was to provide Mexican students with information about studies in Europe. The fair was visited by around 12,000 students interested both in paid courses at MU and in scholarships. The event also included meetings with Mexican universities interested in the establishment of cooperation with European universities. The result of the meetings was initiation of contracts with six Mexican universities. Masaryk University in Brno was also supported by the Czech Embassy in Mexico.

4. ACTIVITIES IN THE CONTEXT OF INTERNATIONAL NETWORKS

Utrecht Network

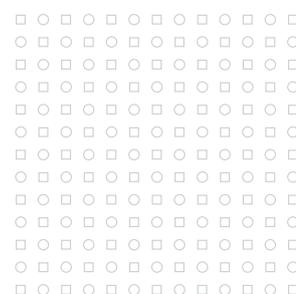
The main form of cooperation in the context of the university network Utrecht Network was student exchanges. The number of exchanges implemented on the basis of the SOCRATES/ERASMUS programme contracts between MU and other member universities increased moderately. Two MU students could again leave for a one-term stay in Australia in the context of the contract between the Utrecht Network and the consortium of Australian universities.

Another important activity of the Utrecht Network is represented by summer schools. In 2004 five MU students received scholarships and took part in the summer school called “Dutch Society and Culture“, held in Utrecht. For a third year in succession the Utrecht Network organised summer school on human rights in Italy; the summer school was attended by three students

and two teachers of MU. Another summer school was held in Ljubljana and the main theme was environmental studies. This summer school was also attended by two MU students.

Compostela Group of Universities

MU continues to be involved in two work groups of this network, the publication activity group (the FSC director is editor in chief of publications of the network) and the administrative staff mobility group. In 2004 two publications were issued. In the context of administrative staff exchanges two scholarships were granted, one to a librarian (FoM) and the other to the research and science department (SoSS). MU was visited by two staff members of international departments of universities in Murcia and Alfonso el Sabio in Madrid.





5. OTHER ACTIVITIES

The main activity in the context of the “MU Internationalisation” project in 2004 was the continuation and extension of the programme of English teaching to administrative staff of the university. In December the first group of students of language courses organised by the Faculty of Arts Language School achieved the required standards of English language knowledge. The project was financed by the FSC in the context of the development programmes of the Ministry of Education of the Czech Republic. At the faculty level, the growing internationalisation manifested itself mainly by the growth of individual subjects offered in foreign languages and the introduction of two new master’s courses at the Faculty of Social Sciences.

MU joined the TEMPUS MEDA programme coordinated by the Compostela Group of Universities. The purpose of the project is to provide experience in the field of international relations and organisation of mobility for selected Morocco universities.

In March ECTS advisors appointed by the European Commission for the SOCRATES/ERASMUS programme visited Masaryk University in Brno. The purpose of the visit was discussion on the university level (attended by representatives of all faculties) on introduction of ECTS in teaching, on addendum to the diploma, on recognition of ECTS of international scholarships, and a subsequent visit of the SoSS, FoI and FoS.

In July 2004 a staff member of the FSC took part in a week-long seminar held by the Salzburg Seminar organisation. The name of the seminar was “Changing Concepts of International Educational Exchange and Mobility”. Contributions and discussions focused on mobility and course recognition. The seminar also included project work in which representatives of universities from all over the world were involved.

The activity of the international Student Club (ISC) founded in 2003 continued successfully in cooperation with the FSC. The main objective of the club is to provide assistance to foreign students of MU. In autumn 2004 the Club office and technology were transferred from Údolní street to the building of the Faculty of Medicine and thus became more open for students. In the same year the ISC became a member of the international association of student clubs, the Erasmus Student Network.

The Club organises a lot of activities, including a tutorial system (a Czech student takes care of a couple of foreign students, helping them with administrative and organisational matters at the university and outside it), presentations of individual countries involving Czech and foreign students, language courses and tandems, taught by

Czech and foreign students, a film club, one-day and weekend trips across the Czech Republic etc. All activities of Czech students involved in the ISC are voluntary.

Summer School with Toronto University

In 2004 the FSC for the first time organised at Masaryk University in Brno Summer School of Central European Studies in cooperation with Toronto University. The five-week summer school, very popular among Canadian students, was finally attended by 25 persons. The teaching programme was divided into three sections: Majorities and Minorities in Central Europe, Remaking Societies: Central Europe before and after 1989, and Recovering Membership in Europe: From Pawns to Partners?

The first block of lectures was delivered by a Faculty of Arts graduate, now student at Toronto University, and the other lectures were delivered by the SoSS teachers. The summer school also included important several-day excursions to Vienna, Prague, and Budapest. The students also visited Boskovice, where they saw the Jewish community and visited a traditional South Moravia wine cellar.

International Cooperation

In 2004 cooperation with PI Hollabrunn and PI Wien continued. Both institutions co-financed 4 methodological seminars. Cooperation also continued in the field of education with the Cultural Section of the Swiss Embassy in Prague, with the Goethe Institute in Prague and in Munich, concerning internationally recognised examinations, professional methodological seminars and projects of Professional Language Multiplications, with ZFA – Bundesverwaltungsamt and with the Hueber Munich publishing house. In the course of this cooperation the Education and Consultancy Centre (ECC) sent 54 elementary and secondary school teachers to various two- to five-day educational events abroad. Nineteen teachers took part in 5 to 14-day scholarships. Four staff members of the ECC took part in projects, scholarships, courses and an international conference with active participation abroad. Active was also involvement of the Centre in the project THENUCE – THEG 5 and the subsequent project EULLearN. In 2004 E-learning in Further Education of Teachers project was under preparation (SOCRATES/COMENIUS).

Editorial Activity, Archives and Libraries

14

1. EDITORIAL ACTIVITY

In 2004 the university press of Masaryk University in Brno (UPMU) published (including reprints) 361 non-periodical publications. Out of that number 60.39% were textbooks and scripta (218) and 39.61% scientific publications and proceedings (143). The abovementioned annual volume of published titles places the UPMU among the most prolific publishing houses not only among university publishers but also in the context of the whole Czech Republic. For detailed information about the published titles see www.muni.cz/press. The amount of CZK 900 thousand from the subsidy provided by the Ministry of Education of the Czech Republic was allocated to editorial activity. This amount covered costs of printing and issue of the university-wide periodical (*Universitas – revue MU in Brno 1–4/2004*), part of prints of student magazines prepared by the student unions of MU (*Medic on line, Halas, Octopus and Sacra*). On the basis of the decision of the Editorial Office of MU part of the costs of publications with wider than university impact by some authors from among the university staff were subsidised too (for example the regular publications of the history of Individual Branches of Study of the Faculty of Science of MU, the miscellany *Media and the Reality* prepared by the Faculty of Social Sciences, *Po spirále času* [Along the spiral of time] - a publication to commemorate the 85th anniversary of the Faculty of Medicine, and the monograph *Filozofie*

psaná kurzívou [Philosophy printed in italics]). In addition support was provided to the professional periodical *Scripta medica*, *Journal for Legal Science and Practice* and the *Comenius* magazine. The subsidy was also used for the financing of participation of the UPMU at the international book exhibition *Svět knihy* [The world of books] in Prague in 2004, where results of work of all university publishing houses in the Czech Republic were presented jointly, and the book exhibition *Svět knihy* [The world of books] Brno 2004, where at a joint stand all Brno university publishers exhibited their achievements, including presentations of the latest productions combined with discussions with authors.

The subsidy also helped publication of annual editorial plans in the *SČKN* periodical *Kněžní novinky* [New books] and offers and reviews in the bibliographical supplement to *Kněžní novinky*. Withdrawals from the subsidy were implemented on the basis of decisions of the Editorial Council of MU.

In addition to a professional and a technology centre the UPMU also operates an in-house polygraphical centre. This technological arrangement allows for the operative publishing of individual titles, especially textbooks at the beginning on individual terms or during the examination periods, and scientific proceedings before conferences and other materials needed for specific deadlines. The Centre also makes occasional prints for MU.

Table 1 History of numbers and Structure of Issued Publications in 2002–2004

	2002			2003			2004		
	Scripta	Scien. publications	Total	Scripta	Scien. publications	Total	Scripta	Scien. publications	Total
FoL	33	11	44	22	12	34	32	13	45
FoM	25	11	36	21	9	30	18	10	28
FoS	33	26	59	30	23	53	25	14	39
FoA	42	34	76	31	34	65	25	47	72
FoE	32	11	43	31	11	42	48	17	65
FoEA	15	20	35	30	16	46	55	16	71
FoI	1	2	3	1	3	4	1	3	4
SoSS	4	3	7	3	6	9	–	2	2
FoSp	1	–	1	–	2	2	5	2	7
RO MU	10	31	41	–	26	26	9	19	28
Total	196	149	345	169	142	311	218	143	361





2. ARCHIVES

With its scope and volume the Archive of Masaryk University in Brno ranges among the largest and the most significant university archives in the country. The archive is part of the network of public archives of the Czech Republic, offering research services including an inter-archive lending agenda. Its archive funds are part of the National Archive Heritage. The precision of the position of archives and its activity came with Act no. 499/2004 Coll., on archiving and archive service of 30 June 2004, newly accrediting university archives as specialised archives.

The new tasks of the archives on the basis of this accreditation include surveillance over the performance of archive services at the university and all of its organisational units. The Act also stipulates in greater detail the powers of the archives in the acquisition field – the archives performs selection of documents to be archived in the document cancellation proceedings and outside it with all entities belonging to its collection field. The archives are further authorised to make selections from documents offered to the university as a gift or donation or for purchase.

The basic mission of the archives continues to be qualified care of documents concerning history of the school and sciences represented by its departments, professional processing of these documents and their availability. At present the university archives file together 185 archive funds and collections in a total volume of 1,900 m. Twenty seven of them are formed with funds resulting from activities of the university, its faculties and other organisational units: funds, unions, scientific societies, which are 43 in all. The largest fund is the third group – individual funds of outstanding teachers and research workers of the university, including 104 groups. Collections resulting from collection activities of the archives amount to 11 at present – photographs, historic items, medals and seals, paintings and busts, video recordings, phonographic recordings, architectural models etc. By decision of the Presidium of the Czech Confederation of Rectors of 3 February 2004 the Archives were authorised to take care of documents of permanent documentary value resulting from the activities of the former body.

In 2004 the archives was subject to general stocktaking at the request of the Archives Administration of the Ministry of the Interior of the Czech Republic, involving detailed physical

inspection of all archived funds and collections. The results of the stocktaking, contributing to precision of evidence of the archived documents, were sent in electronic form to the Archives Administration of the Ministry of the Interior of the Czech Republic and entered in the overall survey of the National Archive Heritage of the Czech Republic.

The acquisition activity of the archives focused on taking over of written documents in the context of document cancellation proceedings, especially from faculties under reconstruction which might represent a risk for the documents. On the archive's own initiative the basic documents of activity of the Academic Senates of the university and the individual faculties were taken under the care of the archives. In the context of the general stocktaking a number of inheritance and union funds were made accessible to the public.

In 2004 the archives were visited by about 60 research workers, the total number of visits exceeding 300. The obligations of the archives also include issue of duplicate diplomas and certificates, examination lists, curricula and various study confirmations, which keep increasing in number, like applications of administrative and professional institutions for provision of information and excerpts from archived materials.

The archives are involved in long-term cooperation with Museum of the City of Brno concerning preparation of the Internet Encyclopaedia of the City of Brno. The personal fund of the Law Faculty Professor František Weyr, filed in the archives, was used by the Atlantis publishing house for publication of three of his extensive memoirs, representing a significant historic resource for the critical period of our modern history, the years 1945–1951.

The director of the archives as member of the Scientific Archiving Council of the Ministry of the Interior contributed to the preparation of the Act on Archiving and Archive Service and to the executive decrees to the Act – Decree on Details of Performance of Archive Service, and Decree Executing Some Provisions of the Act on Archiving and Archive Service.

3. LIBRARIES, LIBRARY INFORMATION SERVICE

Network of MU libraries consists of nine central libraries of the individual faculties, some specialised central libraries, including the library of the Support Centre for Students with Special Needs, and 118 partial and subject-specific libraries at the faculties. The central libraries of the individual faculties provide basic library and information service at the faculties and coordination and methodological

all branches of science represented at the university. Annual acquisitions amounted to 42 thousand books.

Availability of Electronic Information Resources (internet – intranet)

Masaryk University in Brno makes use of a wide spectrum of international and local electronic information resources for research and teaching (bibliographical, full text, factography) covering all subjects studied at the university. In addition to the 42 extensive, mainly multi-branch online mega-resources available across the university (see http://library.muni.cz/e_zdroje.html) there are a number of other branch-specific information resources available at the respective faculties. The university-wide information resources are accessible from all computers of the university computer network muni.cz. For users from MU accessing the resources from workstations outside the university network there is a proxy server allowing for remote access on the basis of user password from MU information system.

Most of the costs of acquisition of (commercial) electronic information resources have been covered from grants provided in the context of the programme 1N – information Infrastructure for Research of the Ministry of Education of the Czech Republic. Masaryk University has been involved in 17 of the 21 projects of the 1N programme focused on purchases of consortia licences (mainly international) to electronic information resources, being the project team member for 4 of them. Some of the information resources are covered from in-house funds of the university – either by means of the Library Information Centre (in the case of multi-branch resources) or from the budgets of the central libraries of the individual faculties. In 2004 MU incurred the total amount of CZK 2,250 thousand for these purposes.

Table 2 Libraries

Faculty	Central library	No of libraries	No of seats in study rooms	Means for acquisitions (in CZK thous.)	Rated no of employees
FoL	1	1	143	2,842	9
FoM	1	65	64	3,324	10
FoS	1	22	137	3,636	16
FoA	1	14	503	1,100	25.5
FoE	1	15	148	1,000	10.5
FoEA	1	1	120	1,900	9.8
FoI	1	0	34	1,045	2.3
SoSS	1	0	90	2,536	9
FoSp	1	0	20	300	2
MU total	9	118	1,259	17,683	94.1

guidance to the individual subject-specific libraries. The library network is roofed by the Library and Information Centre (LIC MU) at the Institute of Computer Science as the management centre for methodological control of library services provided by MU. The ICS provides for operation of the centralised library information systems of the university, coordinating development and use of faculty library technologies with regard to their mutual compatibility and interoperability. The Centre also provides for acquisitions and availability of university-wide electronic information resources for research and teaching.

Library Acquisitions

Up to 31 December 2004 MU libraries deposited together over 1.5 million professional books from

Table 3 Books

Faculty (centre)	Libraries			Books		Acquisitions		Decrease in book numbers
	Faculty	Partial	Specialised	Total	Books+Periodicals	Total	Books+Periodicals	
FoL	1	1	–	129,774	119,355	4,623	4,003	81
FoM	1	65	–	136,830	135,904	3,264	3,080	1,488
FoS	1	22	–	336,732	265,198	4,147	3,919	5,310
FoA	1	14	–	712,772	696,195	10,687	10,007	4,599
FoE	1	15	–	138,962	138,438	5,227	5,177	5,796
FoEA	1	1	–	38,012	37,567	4,999	4,925	6
FoI	1	0	–	12,060	10,624	1,176	1,176	4
SoSS	1	0	–	32,876	30,257	4,013	3,378	126
FoSp	1	0	–	5,547	5,524	2,820	2,806	0
SPSSN	–	–	1	2,500	2,500	1,000	–	–
MU total	9	118	1	1,546,065	1,441,562	41,956	38,471	17,410





Table 4 Library Service

Faculty	Registered users	Registered loans	Loans from other libraries	Loans from abroad	Processed excerpts	Education for users	No of copies
FoL	4,282	67,489	122	–	–	–	102,790
FoM	3,617	42,537	660	–	930	184	2,460
FoS	5,493	37,545	1,340	190	12	42	19,832
FoA	7,239	178,409	528	–	451	12	72,261
FoE	8,739	42,068	113	3	12	18	–
FoEA	3,556	26,949	105	18	–	10	–
FoI	2,000	14,500	137	–	–	4	–
SoSS	2,905	16,105	143	29	–	14	13,812
FoSp	804	6,293	104	8	29	–	2,157
MU total	38,635	431,895	3,252	248	1,434	284	213,312

Provision of Library Information Service

The basic library information service (catalogue keeping, lending, electronic catalogue) are supported at MU by a central library system, Aleph 500, serving eight of the nine MU faculties (Faculty of Medicine still used the KP-SYS in 2004 – planned to be transferred onto the new Aleph system in 2005). The automated library system registers over 38 thousand users, who in 2004 borrowed nearly 432 books from the library fund of MU).

The automated library system of the university consists of 635 thousand bibliographic entries covering the complete serial fund and 41% of the book fund of the university. The uncovered part mainly includes partial library funds and the older, rarely used books – even these being transferred into the electronic form in stages. For search in the former paper file there are scanned catalogue cards at the Faculty of Arts. In addition to monographic and serial electronic catalogues some faculties are also developing their own journal bibliographic bases.

Electronic Service for Universities

On the central level the LIC MU provides for development and operation of three library information systems providing basic electronic service to the academic community:

- The automated library system Aleph 500 (faculty catalogues and a summary MU catalogue are accessible via www – search, loan information, booking, extensions)
- The university-wide CD-ROM server (access to information resources supplied on CD/DVD in the context of the university network),
- The library portal <http://library.muni.cz> (concentrating on one place all basic information and service of MU libraries)

On the faculty level the central libraries of the individual faculties provide specific electronic service pursuant to the requirements of the faculties and their capacity (such as digitalisation of old prints – Faculty of Arts, electronic full text archives of diploma theses – Faculty of Economics and Administration, electronic supply of documents – Faculty of Education, virtual library – Faculty of Social Sciences, scanned catalogue cards – Faculty of Arts, and others.)

Table 5 Electronic Evidence

Faculty (department)	Number of electronic entries in the library system of MU			
	Monographs	% of fund	Serials (titles)	Articles
FoL	82,000	69	562	5243
FoM	44,000	32	679	–
FoS	177,900	26	2,715	–
FoA	106,500	40	2,849	–
FoE	89,000	64	345	311
FoEA	37,567	100	154	8,547
FoI	10,624	100	156	–
SoSS	30,257	100	142	26400
FoSp	5,524	100	102	–
SPSSN	2,500	100	–	–
MU total	585,872	41	7,704	40,501

Education of Users

User education is provided by the central libraries of individual faculties depending on the capacity and needs of the faculties and subjects. In 2004 all libraries together provided 284 educational courses in library orientation, work with the library system, use of electronic information resources. Lectures and instruction for first year students (as part of their courses) are organised by four faculties (FoA, FoEA, FoE, FoS). The Faculty of Medicine organises a course in search for and retrieval of research information for doctoral students. Several MU librarians teach at bachelor and master courses in “Information Study and Library Studies” at the Faculty of Arts of MU.

Staff – Qualification Structure, Lifelong Education

The libraries of MU together employ the staff of 97 rated employees. Nearly one third of them are university graduates (half of them in library studies), two thirds of them are secondary school absolvents (85 % in library studies).

Table 6 Qualification Structure of Staff

Faculty (department)	Total rated staff	Out of that			
		University graduates	University librarians	Secondary absolvents	Secondary librarians
FoL	9.0	2	1	7	6
FoM	10.0	4	1	6	6
FoS	16.0	4	2	12	10
FoA	25.5	8.5	5.5	17	12
FoE	10.5	2.5	2	7.9	6.9
FoEA	9.8	3.8	0	6	5
FoI	2.3	0.3	0	2	2
SoSS	9.0	3	2	6	6
FoSp	2.0	0	0	2	2
LIC MU	3.0	2	1	1	1
MU total	97.1	30.1	14.5	66.9	56.9

Following the transfer of the Masaryk University libraries on the Aleph system and the MARC21 format internal course and training for users of the Aleph system and MARC21 format were organised in 2004, including instruction on the new catalogue keeping rules (AACR). A number of courses in work with electronic information resources were also provided. Following the current offer and needs the library staff took part in numerous professional training courses and seminars held by the Moravian Regional Library in Brno and the National Library of the Czech Republic.

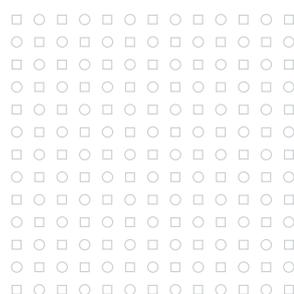
The total number of 27 librarians were trained in English in the context of the MU internationalisation programme, and 8 librarians increased their qualifications by university course in information studies and library studies.

Other Activities

Other significant activities implemented in 2004 included:

- **New library system:** Migration of seven faculty catalogues from the Tinlib library system to the new central Aleph 500 system (FoI, FoSp, SoSS, FoEA, FoL, FoE, FoS) and acquisition of a new library server for MU.
- **New libraries:** Construction, or preparation for construction of new libraries, library moving (construction of the Information Centre of the Faculty of Science in Kotlářská; project preparation for the Information Centre of the Faculty of Medicine – Faculty of Science – Faculty of Sports in the university campus in Brno-Bohunice; reconstruction of the new library of the Faculty of Social Sciences in Joštova; establishment of a library in the Education Centre of MU in Telč – as branch office of the Centre of Research information of the Faculty of Economics and Administration; modernisation of the Library of Western Languages and Study Room of the central library of the Faculty of Education; moving of libraries of the Faculty of Science and the Faculty of Medicine into provisional spaces.
- **Electronic information resources:** Provision of electronic information resources for MU for the period 2004–2008 in the context of the new programme of the Ministry of Education of the Czech Republic 1N (4 projects at MU, co-participation in another 13 projects of 1N) and faculty projects.
- **Projects:** Further implemented library projects: FRVŠ 505/2004: Reading Room of Electronic Papers and Magazines SVI ESF MU, FRVŠ 512/2004: Improvement of Library Information Service at MU Brno, internal project of SVI ESF: Retrospective Digitalisation of Bachelor and Diploma Theses from the Period 1995–2001 (involving digitalisation of 120 thousand pages of text), internal project of the central library of the Faculty of Science: Retro-Catalogue Entry of Older Library Funds of FoS (45 thousand new electronic entries).

To name a few of the other routine activities and services let us remind at least of the extensive exchange of academic publications with thousands of academic institutions all over the world, which, in addition to mutually convenient cooperation and contact building, traditionally brings extensive enrichment of the university funds, especially in the area of periodicals and serial prints.





Information Technologies and Information System

15

1. INFORMATION AND COMMUNICATION TECHNOLOGY

Information and communication technologies (ICT) of the university are managed and developed by the Institute of Computer Science of MU (ICS). The ICS is responsible for operation and development of centralised computing technology, information systems and communication infrastructure of the university. The ICS provides methodological guidance to the Laboratories of Computer Science and other specialised ICT centre on the faculty level, contributing to research and teaching.

Centralised computer systems:

The ICS of MU manages the complex communication, data and computing infrastructure of the university and parts of the national academic network called CESNET2, with the help of which the ICS provides a number of centralised services. In 2004 the capacity of the information system servers was extended considerably, by adding a cluster of two servers on the Sparc/Solaris platform, allowing for further significant progress of the provided services. A new reserved server was acquired for the library system, Aleph500 (over the Intel/Linux platform), allowing for full homogenisation of the information environment of the university libraries. Considerable attention was newly paid to development of a central infrastructure for mobile user access (mostly using their own technology) to the data network of MU – to provide them with a homogeneous support and a safe data environment across MU localities. Foundations were also laid for a centralised support for the unified environment of the computer study rooms of MU with the aim to achieve higher safety and quality user service. Together with improvement of the central computing technology and ICS halls were increased in capacity and provided with advanced air conditioning. For the reason of limited space steps were taken for geographical distribution of the critical parts of the central systems. Acquisition, support for distribution and updating of the software packages for client stations of the university from Microsoft Select, anti-virus systems (including central solution of anti-virus protection of electronic mail), software for spam fighting and application systems with university-wide licensing (Statistica, Matlab, MAPLE) were also organised centrally.

Supercomputer Centre Brno (SCB):

This part of the ICS MU is responsible for development in the field of high-output computing technology, distributed computing and data systems and recently also cooperation environment. In addition to provision of operation of the high-output computing technology the ICS has been widely involved in research – especially in the field of grids (large-scale distributed computing and data systems), where the Institute has in fact been the national coordination centre.

In 2004 the SCB managed the SGI supercomputers (52 processors in total), MU clusters (mainly the machines of the National Centre for Bio-Molecular Research) and clusters of the META-Centre (a national activity under the auspices of the CESNET Association). The Centre operated together 100 double-processor cluster nodes (mainly Intel Pentium 4 Xeon processors with the frequency of 2.4 GHz and higher) and two systems with 64 bit architecture: A double-processor computer IBM with processors Power4+ (8 GB memory) and a double-processor computer HP with processors Intel Itanium 2 (6 GB memory). SCB also manages the backup device of the META-Centre, the tape library with the capacity of 12 TB non-compressed data (capacity with compression is usually double the normal capacity). This device backs up data of selected academic centres of MU and other institutions cooperating with the META-Centrum project team. Research and development activities of the Centre have focused on two European and two national projects: In the context of the project 5RP EU GridLab the SCB has taken responsibility for operation and monitoring of the status of the heterogeneous grid built and used by the project. The research concentrated on development of the monitoring infrastructure. In September 2004 the project 6RP EU Excellence Network CoreGRID was launched, where the SCB has taken direct responsibility for one of the six research orientations of the whole network: virtual institute for grid information and monitoring services. In the context of the DiDaS project (a national project of the CESNET Funding Development the SCB successfully completed implementation of a distributed data repository in the Czech Republic – offering 15 TB disc space in 7 different localities.

In the context of implementation of another FR CESNET project – Hardware Tokens – the year 2004 saw commissioning of an experimental authorisation infrastructure of the national grid built upon authorisation keys; the project implementation will continue through to 2005.

University Computer Network, Communication Infrastructure:

The Institute of Computer Science builds and operates the backbone university computer network with direct connection to the academic network CESNET2 (Brno–Prague connection with the capacity of 2.5 Gb/s was upgraded at the end of the year to 10 Gb/s). The backbone university, or metropolitan network is operated over Gigabit Ethernet technology, consisting of 90 nodes (localities) and nearly 100 km optical cables with several thousand fibres. For connections of places inaccessible with the optical network directional radio connections are used in the licensed and the non-licensed band. For support of thus extensive network the ICS operates an in-house information system based on the technology of geographical information systems. In 2004 a couple of new connecting ground optical cable lines were built in the total length of 1.5 km, 5 km new cables were laid in the existing cable routes and one cable was replaced in the Vinařská–Lipová route. The purpose of these activities was further improvement of reliability of the backbone network by building of closed circuits, or increase of capacity in the needful sections and replacement of overhead lines with ground lines. Apart from the optical network the wireless radio network was also extended by building of a high-speed wireless connection within the licensed band of 18 GHz for the detached workplace of the Faculty of Science of MU in Brno-Řečkovice and by extension of the base node points in the localities of Zemědělská, Komárov and Mánesova. Following MU requirements new users were connected to the wireless network.

Voice Communication Network:

Since 2002 the ICS has been responsible for the voice communication network of the university. The purpose of the responsibility allocation was construction of a new unified telephone network of the university, including application of digital technologies and optical computer network providing MU users with modern service of voice communication with decreased costs of telecommunication service. In 2004 building of a new private voice network of Masaryk University was completed. The building had started in October 2003. All major localities had new exchanges installed with the relevant technology connected to the common voice network. IP technology was used for connection of small localities with limited numbers of stations. Together with connecting university workplaces related services were made operable, including connection of the voice network to the information systems administered by the Institute of Computer Science. A Connection

and Information Centre (CIC MU) was equipped with human resources and technology at the ICS for provision of 24-hour call reconnection service for the whole university plus complete voice information service. In the course of 2004 the CIC MU served together 74,654 phone calls, in peak periods – especially in the entrance examination period – serving up to 900 phone calls a day (up to 120 phone calls per hour). In 2004 the system of automatic transfer of telephone number data from the exchange to the central evidence of branches in the university Intranet was built, the system of toll billing within MU was completed, the system of follow up of personal telephone accounts and costs per workplace was created, and the system of MU-wide branch change record was completed in terms of organisation and technology.

Computer study:

The university-wide computer study room was built by the ICS at Komenského náměstí in 2000 for the purpose of radical but cost-effective improvement of availability of computer technology and access to information for all university students. The study with the capacity of 109 computers, equipped with the necessary hardware and software for independent work of students from all university faculties, has been operated by the ICS in the 24-hour-7-day-week mode. In 2004 the study was open virtually all the time, with the exception of the 268 hours of the necessary technical maintenance. The study was visited by 15,670 students of Masaryk University in the context of 406 thousand visits. In the former half of 2004 a team of students and staff of the Faculty of Social Sciences implemented a detailed inquiry among CPS users, following a similar investigation in 2002. The purpose was to find out about opinions of CPS users concerning CPS service and gather stimuli for further improvement. At the same time needs and possibilities of students in using ICT for study were examined. An extensive final report of the inquiry is available on <http://cps.muni.cz/info/zprava.pdf>. Students positively responded to the standards of services and equipment of CPS, mainly requiring capacity increase, for despite the non-stop operation the study is unable to meet interests of all potential users. On the basis of student stimuli the software equipment of the workstations was extended in the latter half of the year – mainly with dictionaries and software for work with documents. Permanent disc space was extended for document saving to the present capacity of 100 MB. At the beginning of 2004 a new system for cash-free processing of prints was launched. The new system considerably increased user comfort and use of print service of the CPS. In the course of the year the two available laser printers together printed 550 thousand pages of texts. The number of students using the study for connection of their own laptops also increased. The technology of connections of personal laptops offered by the CPS was further developed and offered for use to MU faculties, currently being used by the Faculty of Arts, the School of Social



Studies, the Faculty of Law, the Rector 's Office of MU and student dormitories. Since September 2004 the service has been used by more than 700 students and staff members of MU.

University Information System:

The individual university information subsystems are part of the Integrated Control and Information System of MU (ICIS MU). Development, maintenance and operation of the subsystems supporting the university operation in the field of research, economy and accounting, HR and wage management, ICT and geographical information service, libraries and public relations is the responsibility of the Institute of Computer Science, also taking a substantial share in the development of the concept of the integrated ICIS system. Study and teaching are supported with the subsystem called Information System of MU (IS MU), operated by the IS MU team housed at the Faculty of Informatics. The ICIS MU, operated by the ICS, includes the Library System, IS for R&D, EIS Magion, Inet MU, PaMS MU, GIS MU and W3-MU. Library service of MU is supported with an automated library system Aleph, in 2003 taking over function of the former TinLib system. The originally independent faculty catalogues of books were gradually converted and unified in the new system. The library System of MU currently includes over 500,000 bibliographic entries (635 thousand) and registers 38 thousand readers. The basic library services are fully automatic, including catalogue keeping, lending and accessibility of information about the books available both at the local library workstations and through remote access in the www environment.

Information about science and research at MU are kept in the Intranet system wwwdata MU developed by the ICT for support of R&D team work. The system provides central evidence of data of ongoing research projects and proposals, docent and doctoral proceedings, academic senate staffing, research councils and other academic bodies of MU (with links to workplace and persons, including history).

Public access to these data is provided via the Internet presentation of MU. Since 1991 the database has recorded over 1,700 projects, plus over 700 proceedings implemented since 1999. Information support in the field of economy and accounting is provided to the economic departments and head economists of MU (currently serving about 300 users) by the Economic Information System Magion (including the following modules: Accounting, Inventories, Assets and Orders). Intranet access to the stored economic data is provided for individual workplaces and individuals by the Inet MU system. In 2004, in connection with the V.A.T. legislation amendment, requiring significant adjustment of the Accounting module, MU began to use the graphic version of EIS Magion instead of the formerly used plain text version. In addition to the adjustments following from the changed V.A.T. recognition and some other regulations and methodologies the 2004

development of EIS Magion and Inet MU focused on extension of functionality in the field of asset evidence, in relation to complex centralisation of the so far local evidences of minor assets of MU, which took place in the summer months. At the same time the dial of buildings and rooms of MU was completed and made accessible in EIS Magion and Inet MU, including external buildings. In 2005 both economic systems will be extended with asset stocktaking support based on bar code readers, which will involve unified mass labelling of all rooms and objects of MU with bar codes. Another considerable change will be represented by transfer of the whole economic database from the existing Informix database machine to the Oracle cluster configuration.

Information support in the field of human resources and wages is provided to the HR and wage departments (currently including about 50 users) by the PaM [Wage and Salary] system developed by the ICT MU. Intranet access to HR and wage data is again provided via the Inet MU system, and public access is provided via the Internet presentation of MU (see below). In 2004 PaMS MU underwent several changes related to the changed regulations and methodologies. Functionality of the HR-wage section of Inet was extended by a set of applications for absence planning and structured excerpts from leave plans and withdrawals. In the latter half of the year an extensive collection of requirements was performed and tender documentation was prepared for tender proceeding for a new Integrated Wage and Salary System PaMS MU, to be implemented in Q1 2005. HR evidence is also linked with printing of personalised chip cards for students (ISIC cards) and employees (ITIC cards and employee identity cards), also provided for by ICT MU. The cards, used for general identification purposes as well as for controlled access to automated IS of the university, access to protected fields (including CPS), ordering and collection of meals in the canteens, etc., were issued in the number of 7,500 in 2004.

The abovementioned Inet MU is the university-wide Intranet system for economy, wage and salary management and ICT service, developed by the ICT in the J2EE technology. The system is designed for the individual departments of MU (their heads, staff and secretaries) and for individuals and is used by over 50% of the university employees (about 1,700 persons) and 20% of university students (about 6,000 persons), with mean daily number of visitors 500 persons. In addition to the abovementioned extensions in the economic and HR-wage sections the Inet functionality was extended in 2004 in the field of ICT service with a complex offer of applications for the central telephone exchange data management. The major parts of Inet also include application support for Clearing MU, the university system for central coverage of fees for services provided by the university to individuals, whose pilot implementation carries out cashless coverage of accommodation and other service of student dormitories. Following the change of the V.A.T. legislation

the methodology of Clearing accounting also changed, which led to changes in data structures and applications. In 2004 a revised version of the Clearing core and interface to cooperating systems was designed. The revision will be implemented into the Inet in the former half of 2005. After that the Clearing will be extended to coverage of private telephone calls, meal tickets, printing and copying service etc. Another important change planned for Inet in 2005 will be represented by transfer of its application server to cluster solution. The field of ICT services at MU is also supported mainly with the Information System of the Brno Academic Computer Network (IS BAPS), designed for the staff of the technology and operation departments for management of BAPS information, with an emphasis on support for decision-making on use and further development of the metropolitan network. The system, fully developed by the ICT MU, makes use of technologies of geographic information systems (GIS), thus allowing for accurate depiction of element location in the map. IS BAPS contains extensive information about circa 5,000 cables, 3,000 devices, 20,000 connecting cables and 30,000 fibres, including (since 2004) evidence of telephone cabling from the central telephone exchange of MU. This information, and especially the implemented GIS technologies, will be used by the new project of system for asset management and maintenance of MU buildings, whose first stage, for the most part implemented in 2004, includes acquisition of a complete electronic passport of buildings and rooms of MU.

The bilingual Internet presentation of MU (web and wap) publishes profile and detailed information about all departments of MU, based on the principles of unified information content, a unified form of presentation and automated information retrieval from IRIS MU databases. The system is an in-house solution of MU, implemented by the ICT MU in cooperation with internal administration departments and public relations of the RO MU.

The presentation, with the mean number of visitors in 2004 exceeding 7,100 IP addresses a week, is operated in the web server cluster and a separate data server, fully backed with a backup server.

Library Information Centre:

This centre (LIC MU) is a university-wide centre for methodological management of library service as part of the ICT MU. The centre operates the centralised library information systems of the university, coordinating development and application of faculty library management technologies with regard to their compatibility and interoperability. The centre further provides for acquisition of and access to university electronic information resources for research and teaching. In 2004 a central dedicated library server was acquired and migration of seven faculty library systems into the new university-wide system Aleph was implemented (following the planned transfer of the Faculty of Medicine in 2005 the whole library network of MU will be supported with a unified central library system). Significant contributions to the system development included provision of a large spectrum of electronic information resources for science and research at MU for the period 2004-2008 from the Ministry of Education grant programme and from in-house resources of the university. MU users are provided with university-wide access to 42 large, mostly multi-branch, on-line mega resources. Further branch-specific information resources are available at the individual faculties.

The staff of the LIC MU are involved in the consortium project 1N for provision of group licence for basic information resources in the field of informatics (LNCS, ACM-DL, IEEE-CS) for the consortium of Czech academic centres for the period 2004-2008, plus in one of the FRVŠ projects focusing on improvement of library information service of MU.

2. INFORMATION SYSTEM

Information system of Masaryk University in Brno (IS MU) is an authentic web information system covering nearly all fields of study administration and other agendas of the school. Access to the public part of the system is via is.muni.cz.

As to 31 December 2004 password for access to the IS MU was issued for 65,936 active users. The system used by 33,096 persons on a regular basis and 38,016 persons accessed the system at least once in 2004. In the context of the entrance examination proceeding in 2004 the system ac-

cepted 35,674 e-applications. The total number of 32,934 persons read a message on the notice board, 17,061 students expressed their views of quality of teaching in the anonymous inquiry. The newly implemented e-learning agendas are widely used – the discussion fora include 15,630 saved contributions and the data store records 23,874 files in the Study Materials agenda. The mail server mail.muni.cz delivered in 2004 about 5.7 million mail messages.





Summary Data

- Number of accesses in 2004: 97,733,624
- Maximum number of different logged in users per day: 15,949
- Maximum number of opened sites of the system per day: 801,564
- Maximum achieved permeability of the server: approximately 110,000 settled claims per hour (mean)
- Total number of scripts (individual programs): about 900
- Data are recorded in about 780 database spreadsheets and about 60 categories
- Number of published entries: 427,149 (including RIV reported: 44,527)
- Number of inquiries answered on the contact address: about 2,000
- Total outage time of the server: about three days

Applied Technology

The year 2004 represented a milestone in the field of applied technology. On the basis of the approved project in the context of the transformation and development programme of the Ministry of Education of the Czech Republic for public universities Masaryk University in Brno received sufficient funds for reinforcement of the main part of the system – the database software. The software takes care of storage and management of data recorded by the IS MU. In the period 20–22 August 2004 IS MU was transferred to brand new technology, allowing for significant reduction of the response time of all performed operations before commencement of the winter term, including long-lasting mass tasks. Another important contribution of the new technology is the possibility of easier progress of the so called time competitions resulting from simultaneous access of a large number of users for the reason of struggle for the limited lucrative resources (such as registration into a seminar with a limited number of persons per group). The last but not least significant asset represented by the transfer was the possibility to increase the overall accessibility of the system in the case of failure of any of the system parts. Now all components needed for the system operation are at least doubled, which allows for replacement of one component with another without any major limitation of the users used to continuous use of the system (especially due to their stays in different time zones). The applied combination of technologies and their contribution are unique not only in the context of similar systems used in the Czech Republic and in Slovakia, but also in the global context as concerns the technical parameters.

In addition, this objective was achieved with the help of extra-university resources in the total amount of mere CZK 281 per user. At present the computing output of the IS MU is provided by the total number of 40 processors, including 16 processors of the database cluster (Itanium 2, SGI 8x Altix 350), another 16 processors of the application cluster (Athlon, PC) and other machines (distribution, auxiliary, backup etc.).

Progress and Operation

In 2004 massive extension of e-learning took place, including development of numerous tools in the context of the LMS (Learning Management System) and their integration into the existing agendas of the Teacher Log and the Student cross-roads. The significant upgrade of the technological solution of the system also allowed for extension of the communication options. In addition to these areas user proposals resulted in complementing of the present functionalities, especially for use by the offices for academic studies.

E-learning

At present Masaryk University organises a number of different e-learning activities. A full e-learning course requires a good-standard content, which in turn requires some development time. This period can be used for introduction of e-learning methods to students and teachers in the form of routine teaching support. The current, especially administrative instruments for teachers and students have been complemented with a number of new applications related to the teaching and learning process. Even though it is impossible to address thousands of teachers and ten thousand students directly, the new agendas were seamlessly deployed and accepted – thanks to their direct links to the well-known environment of the IS MU.

The following applications and mechanisms resulted:

■ Materials for study

This is the basic module for publication of different types of materials. The system automatically generates their text versions (for search and easy access) and graphic material previews.

■ Filing

This is a tool for saving and filing completed tasks by students for their evaluation by the teacher or discussion with the schoolmates. In addition to the routine LMS functions the module allows for effective management of larger courses (MU offers courses for student groups exceeding a hundred), i.e. mass import and export of materials, transfer of evaluations into notepads in the Teacher Logs.

■ Discussion forums

If the teacher does not take part in the discussion then the students discuss the issue among themselves. The teacher may make use of the instrument, for example for controlled discussion on problem tasks etc.

■ Electronic tests

The agenda for test compilation allows for expression of all that is described in the IMS QTI standard, opening the possibility of future exchange of test questions between schools. The format for question setting is optimised for easy entry of a large number of questions. The agenda can be used in various different modes: Exercise, Self-Test, Real Test, Collection of Free Answers (questionnaire). Under preparation is the Written Test Printing mode allowing scanning of the student filled out sheets and their display in the IS for checking.

Communication Tools

■ Document server

The document server agenda was amended to make use of the new data repository and extended by a number of new functionalities (the possibility of easy maintenance of the document folder tree, the possibility to transfer a folder to a domestic computer, packed as a ZIP archive, new options of access regulation – access setting, visitor statistics etc.). Among other things official folders were introduced for all faculties with unified Internet address, including folders for minutes of meetings of the Academic Senate etc.

■ Notice board

The transfer to the new technology (distributed data repository) allowed for a radical extension of the options offered by the Notice Board. The Board was divided into thematic notice boards including space for personal and commercial ads. The application was complemented with the functionality allowing the user to define the scope of information provided to it by the notice board (pop-up messages on the title page, systematic ignoring of certain notice boards etc.).

■ Discussion forums

The tool for electronic discussion was tested in the period before the Rector election, when it allowed for asking questions for the candidates, who could answer them via the tool. At present the agenda is used in the following two basic modes: subject-specific discussion forums (e-learning communication tool) and public faculty forums. To follow the forum or answer questions published in it is not compulsory but the discussion contributes at many faculties to better informedness (the questions are responded to by vice-deans, the study departments etc.). The forums can be understood as an instrument of feedback - identification of drawbacks in the school mechanisms.

■ Left Data Office

This tool provides the possibility of data storage, including large files, in the personal folders in the IS MU for later collections, or sending large data files to other persons via their web folders.

The philosophy of the IS MU was presented towards the end of 2004 at the national meeting of universities in the context of the EUNIS association. The comparison showed that the IS MU was clearly the largest and the most widely used university study system. As the only system of its kind it is systematically oriented towards transfer of all administrative processes into the electronic format for complete elimination of paperwork and personal involvement. The other school systems mostly emphasize data collection for the school management.

Help, Register, Training

In the latter half of 2004 the IS MU was extended by help, including drop menus in some applications. The help takes the form of questions and answers to the most common user problems and frequently asked questions. The system also includes an index. The index covers the major student and teacher agendas and the communication agendas. The present help includes 33 chapters (with 270 questions in total), and others are being prepared. The major part of help to teachers has been published in the printed form under the title “Začínáme s is.muni.cz – nápověda pro učitele“ [Rudiments of is.muni.cz – help for teachers].

In 2004 cooperation was established with the HR department of the RO MU concerning regular training courses for different groups of MU employees, with lecturers from the IS MU development team. The tradition of introduction training for fresh students continues.

Other Applications and Adjustments

■ Final theses archives

This is the agenda for collection and publication of final theses of MU Students, created on request of the Academic Senate. In addition to the name of the author and title of the thesis the agenda also includes key words and annotations – for easier search.

■ Student apologies

Student apologies in the case of absence from compulsory lectures and examinations have been simplified. The student brings the written apology to the study department where it is entered in the Information System. The teacher can then easily check whether the absent student has apologised or not.

■ Calculation of compliance with the conditions of term enrolment

The agenda for control of compliance with the conditions for enrolment into the following term has been reworked. The compliance is checked every night in the enrolment period. The calculated data can be confirmed by the study department in an easy and non-time-consuming manner (the student can be enrolled).

■ Better methodology for issue of passwords for access to IS MU to students of more faculties

The information system remembers the issued password for some time now. If another faculty needs to issue a password for a student before enrolment for study, then all print the same password, which is desirable.

■ Print of calls for payment of fees by students

The agenda for collection of student fees has been reworked for easy print of unified calls for payments of the individual types of fees.

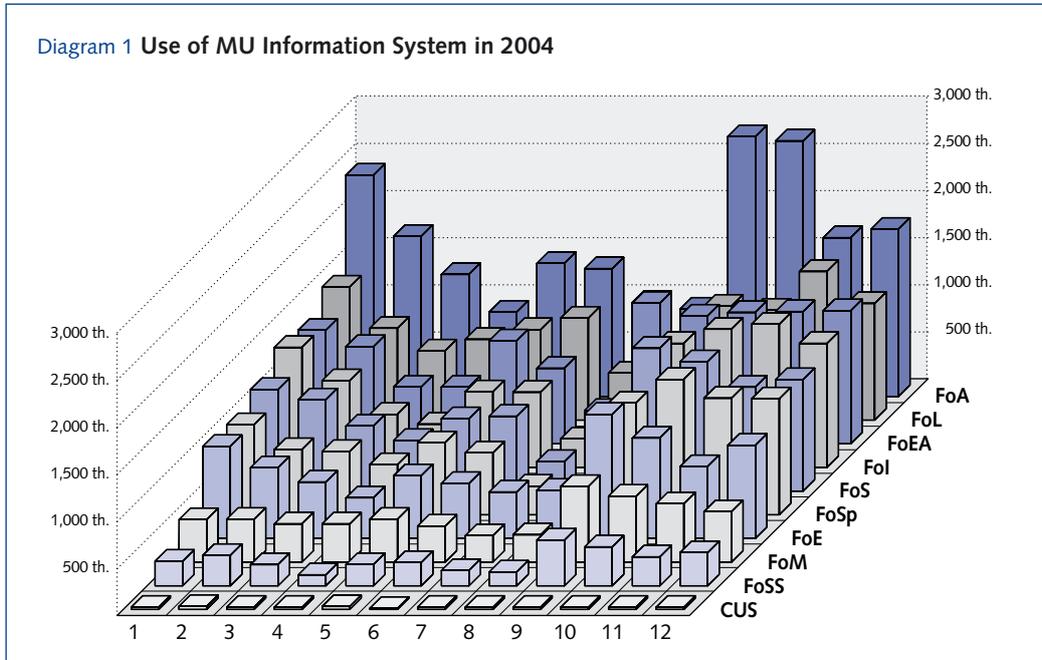




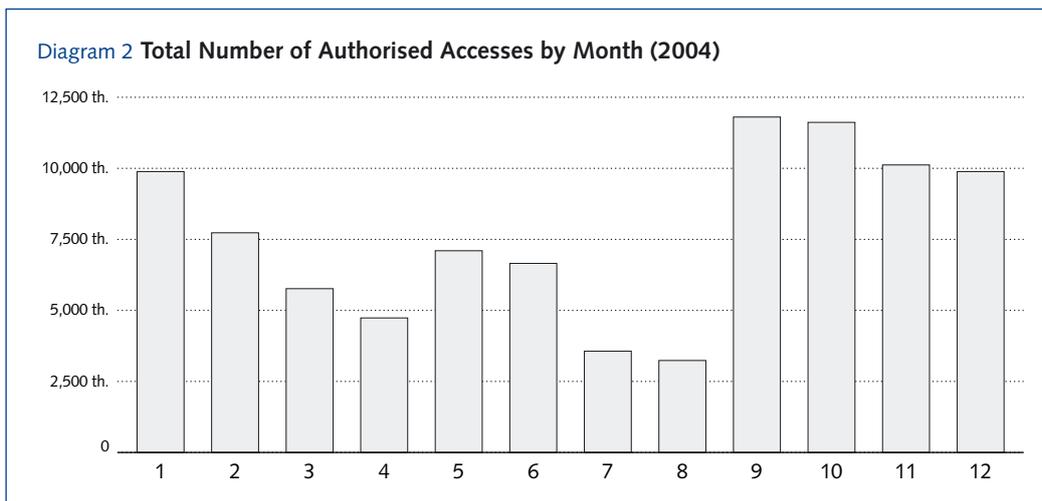
In the coming period work on the e-learning modules and penetrative study support (automatic crediting of subjects from simultaneous courses and simplification of the system of acknowledgment of subjects from past study) will continue. The demand for IS in English continues – implementation of this request will require a large volume of work.

The problem of system overload in the course of time competitions for lucrative subjects,

examination dates and seminar groups has been practically solved. The success was achieved thanks to the transfer to the new technology and relieve of the respective applications. The time competitions for examination dates (at the end of the term, winter 2004) show that the lucrative dates are occupied in 2 to 20 seconds from the competition start.



The horizontal axis includes months of the year, and the vertical axis shows number of visited web sites of the is.muni.cz in the respective month. Authorised accesses by faculty are depicted only.



Provision of Information Pursuant to Act no. 106/1999 Coll.

16

Provision of information pursuant to Act no. 106/1999 Coll., on free access to information (hereinafter Act)

Regarding the nature of Masaryk University in Brno as public university provision of information belongs to the key (and most frequent) activities of the school. Most of the information provided was required orally directly from the staff of MU by their positions appropriate for the information required, and therefore in compliance with Section 13 of the Act these requirements are not further recorded, as follows from the nature of the thing. Rules have been defined for filing written requests for information in compliance with Section 5m subs. 1, letter b) of the Act. The rules were published on <http://www.rect.muni.cz/statut/postinf.htm>.

In the course of 2004 the university thus received 380 written requests for information, one in the document form and the others in the electronic format. Five pieces of the requested information were not related to MU activity and this fact was communicated to the applicants. Two hundred and twelve requests concerned information published by MU and the applicants received Internet addresses of the required information. One hundred and sixty three requests were processed and the required information was provided to the applicants within the legal deadlines.

In the course of the year 2004 two appeals were filed against decisions concerning rejection of the required information. The rejections were only based on legal fiction pursuant to Section 15, subs. 4, and the actual reason was that the applicants were not timely informed about the necessary deadline extension. The appeals were decided in favour of the applicants and the required information was provided.

In the course of 2004 courts of justice did not deal with any petition against MU relating to potential failure to provide information pursuant to the Act. In the above-mentioned period neither MU nor any of its employees were subject to any sanctions for potential incompliance with the Act.

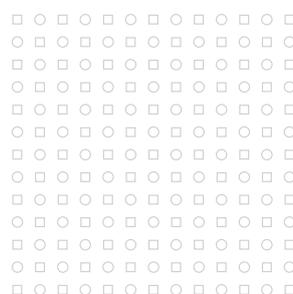


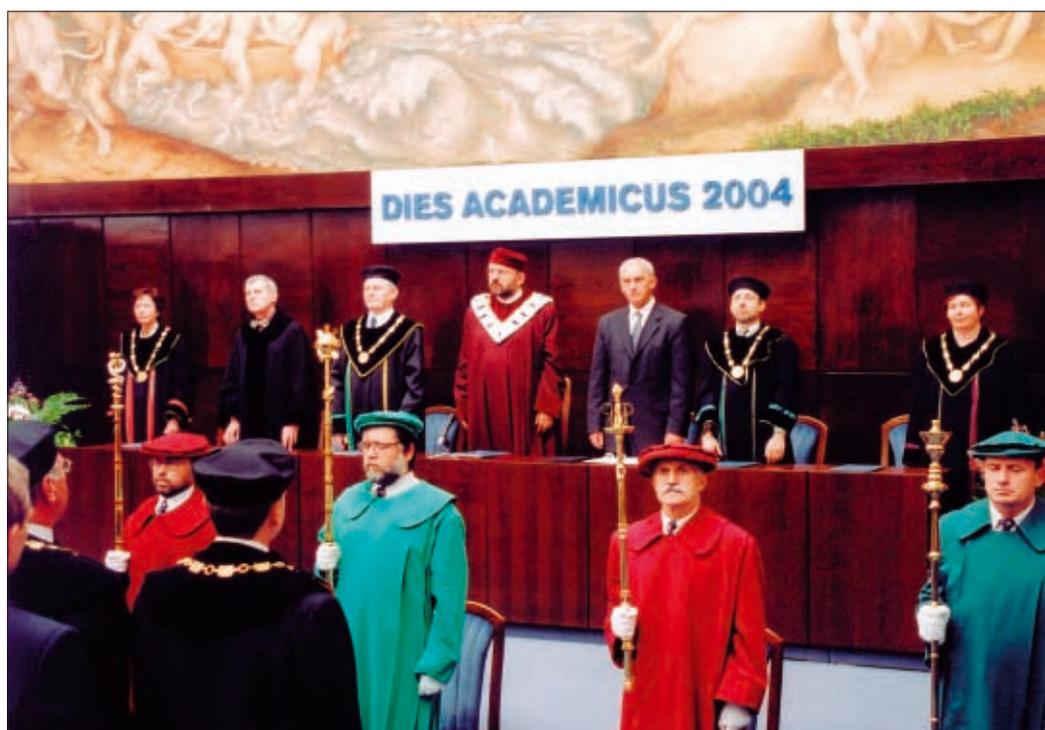


Photo Gallery

17



Under the auspices of Rector Jiří Zlatuška an extensive exhibition took place on the premises of the House of Arts of Brno in the context of the unique project Homage to Leoš Janáček – 24 January 2004 – 14 March 2004
Author: Schang Hutter



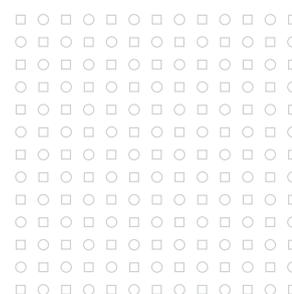
On the occasion of Dies Academicus, a ceremonial meeting of the academic community, Rector Jiří Zlatuška granted awards and honorary mentions – 19 May 2004

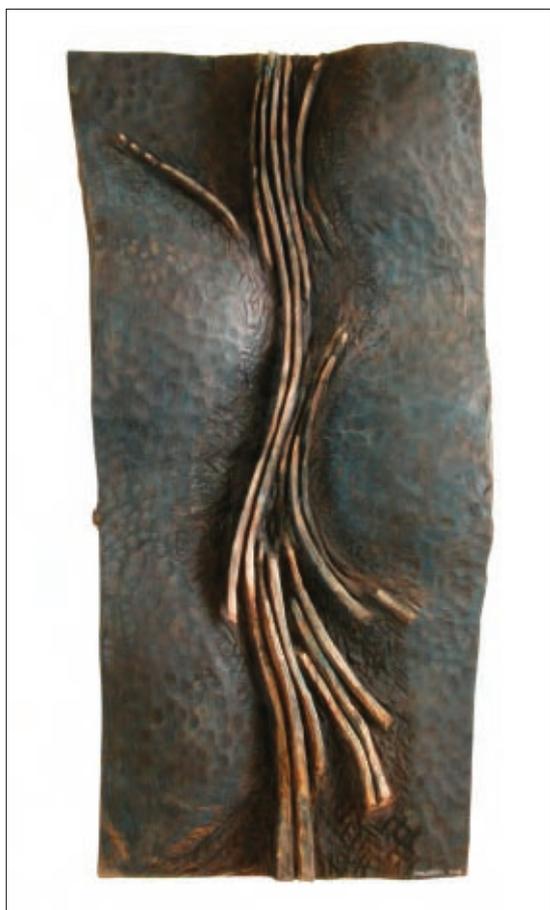


Graduation clerk Josef Trna presents diploma to a female graduate of the Third Age University – 8 June 2004



Rector Jiří Zlatuška and Vice-Rector Eduard Schmidt at the opening of the exhibition of the "Bird Ringing" statue at the Faculty of Science of MU – 11 June 2004





Work of art introduced to the public
in the context of the project Homage
to Leoš Janáček.
Author: Zdeněk Macháček



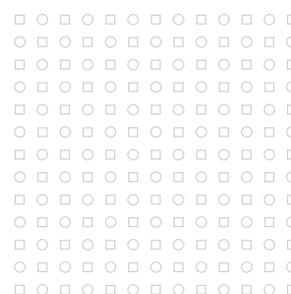
The outgoing down Rector Jiří Zlatuška congratulating the inaugurated Rector Petr Fiala – 22 October 2004



Rector Petr Fiala officially opening the construction of the new university campus in Brno-Bohunice – 22 November 2004



Mikuláš Dzurinda, Prime Minister of the Slovak Republic, on a visit to the School of Social Studies of MU – 22 November 2004





Symbolic laying of the foundation stone ceremonially opening the construction of the new Information Centre of the Faculty of Science of MU – 7 December 2004



Work of art introduced to the public in the context of the project Homage to Leoš Janáček.
Author: Ubaldo Sichi

ANNUAL ACTIVITY REPORT
MASARYK UNIVERSITY IN BRNO 2004

Published by Masaryk University in Brno 2005
Produced by: Markéta Tikalová
Edited by: Martina Jiráková, Pavla Teglová
Graphical design and DTP: Pavel Jílek
Photographs: Archives of MU, Marie Kratochvílová, Irena Armutidisová
Printed by: PRINTECO, s.r.o., Hněvkovského 77, 617 00 Brno
Edition I, 2005
Volume 230 copies

55-988-2005 02/58 6/RMU

ISBN 80-210-3704-0
ISBN 80-210-3693-1 (Czech ed.)

