

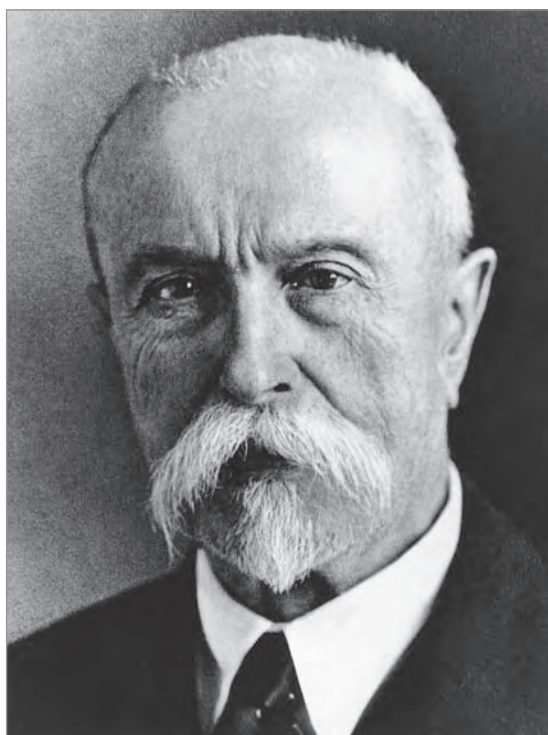
MASARYK UNIVERSITY

ANNUAL REPORT

2005



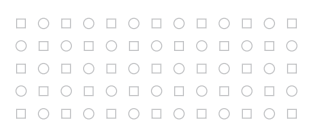
MASARYK UNIVERSITY



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Introduction

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At the official opening of Masaryk University's new campus in Brno-Bohunice in September 2005, European Commissioner for Science and Research Janez Potočník declared that "Masaryk University is about to become the educational and economic centre of the future." He praised "Masaryk University's international orientation," and said that what he had seen was "an example of a job well done" which he would like to "present to other members of the European Union". Though we should accept such praise with humility, and remain aware of the faults and weaknesses that our university must still overcome on the way to becoming a leading European education and research institution, it is still gratifying that Masaryk University is being mentioned more and more often in an international context, and that the positive points of our institution are becoming known outside the borders of the Czech Republic. International recognition of Masaryk University as a quality institution is reflected in growing interest on the part of foreign students and academics in studying here. Statistics show increasing mobility of students and teachers, and increased numbers of study trips made by members of our academic community abroad and visits by foreign scholars to MU. In addition, we have been increasingly successful in gaining research project funding from abroad, the amount of which has almost doubled in the last two years. The university's international dimension is also reflected in praise for the university's information system, which won the prestigious Eunis Elite Award 2005: MU was the first university from one of the new EU member countries to win the award. Another regional first was the introduction of LL.M. legal studies in cooperation with Nottingham Trent University, after a thorough study of the quality of our school by our British colleagues. These are just a few typical examples of the wide range of international activities our university and its various departments are involved in that demonstrate Masaryk University's ability to succeed in the European educational and research environment.

In 2005 Masaryk University achieved remarkable results in its educational and research activities, as this annual report will demonstrate. Once again MU was very successful in obtaining grants and research funding. The MU Technology Transfer Office, a relatively unusual institution in this country for a university of this type, was successfully inaugurated. The quality of degree programmes offered has helped MU maintain its position as the most sought-after Czech university in terms of number of applicants, satisfaction on the part of graduates, and high degree of success on the job market. The most visible event at MU during the last year was the progress made on its Programme for Development of the Material-Technical Base. This included the realization of a number of construction projects, including the Laboratory of Biomedical Technology (ILBIT) at the new campus, the reconstruction of the Faculty of Social Science's building on Joštova Street, and the construction of the Faculty of Natural Science information centre at the Kotlářská Street complex. In July 2005 intensive discussions necessitated by changes in the legislative and macro-economic environment resulted in a revision of the programme. The acquisition of 1.3 billion CZK in new funds for the completion of the campus is a positive reflection of the university's policies and permits the completion of the campus project, which is such an important prerequisite for the development of the university over the next decades.

In view of these circumstances, I hope that the 2005 Annual Report will be a welcome source of information on the development of our institution for all friends and fans of Masaryk University, and will make pleasant reading as well. For members of the academic community and university employees, who are the ones above all to be thanked for the achievements of Masaryk University, this year's Annual Report will be a source of satisfaction and encouragement as well as a challenge. We hope that Masaryk University will continue to produce such positive annual reports in the years to come.

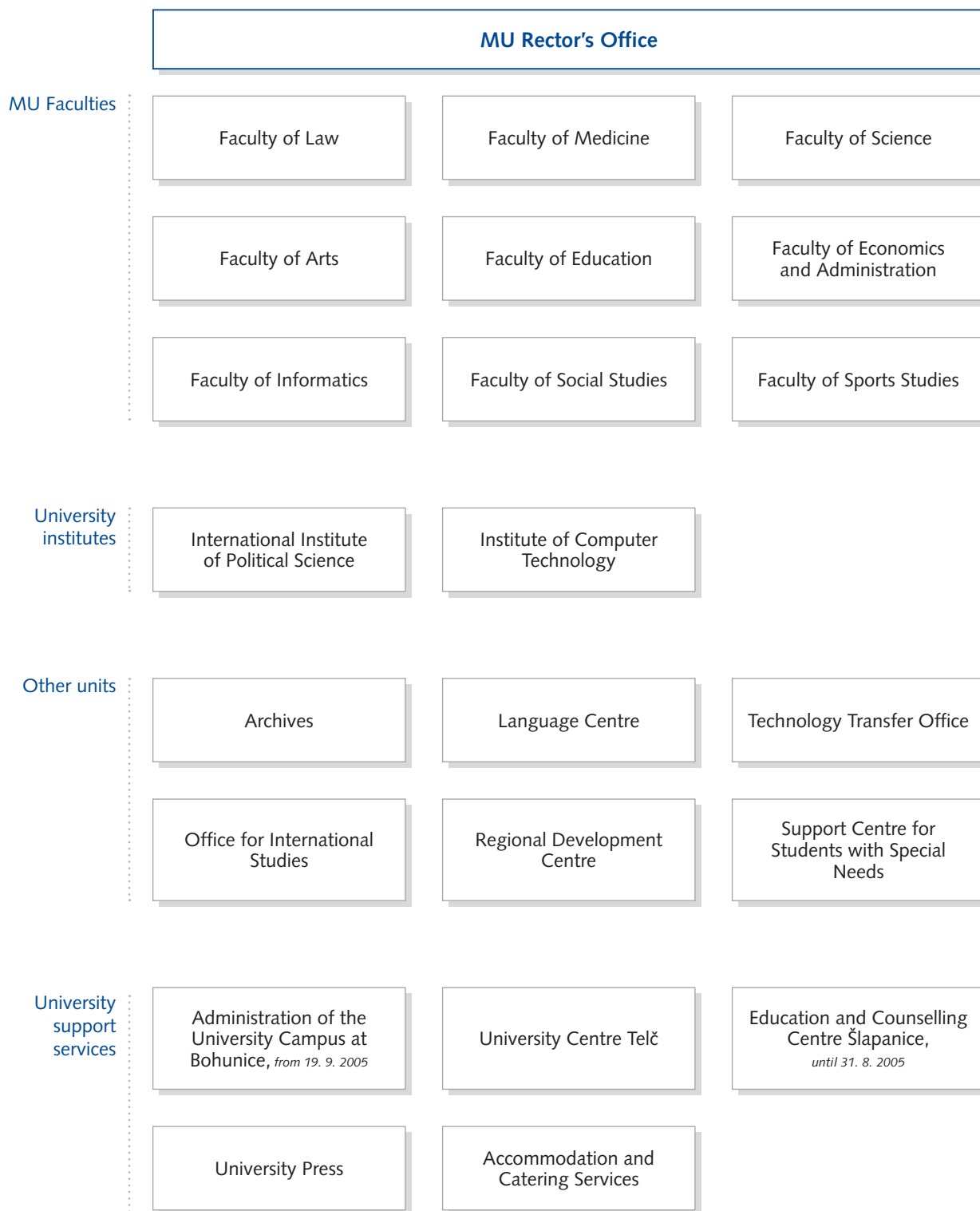
Petr Fiala, Rector





Organization Chart

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CHIEF OFFICERS

1. 1. 2005 – 31. 12. 2005

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

prof. Ing. Antonín Slaný, CSc.
Vice-Rector for Student Welfare and Financial
Affairs

prof. RNDr. Jana Musilová, CSc.
Vice-Rector for Research

prof. MUDr. Zuzana Brázdová, DrSc.
Vice-Rector for Studies

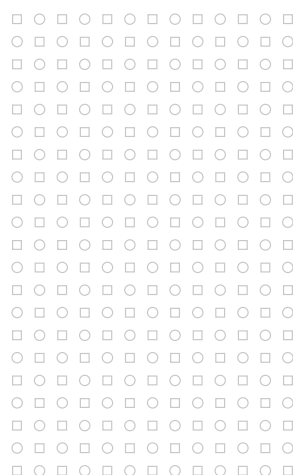
prof. RNDr. Jan Slovák, DrSc.
Vice-Rector for Strategy and Development
to 30. 11. 2005

doc. PhDr. Mikuláš Bek, Ph.D.
Vice-Rector for External Relations
to 30. 11. 2005
Vice-Rector for Strategy and External Relations
from 1. 12. 2005

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

Mgr. Iva Zlatušková
Executive Assistant to the Rector

prof. MUDr. Jindřich Vomela, CSc.
Chairman of Masaryk University Senate





Board of Trustees



MUDr. Alena Štětková, CSc., Chief Consultant for Strategy and Development,
St. Anne's Faculty Hospital
Chairman, MU Board of Trustees

RNDr. Petr Duchoň, Member of the European Parliament,
member until 31. 10. 2005

Ing. Ondřej Felix, CSc., President, Association for the Information Society
member until 14. 2. 2005

Ing. Václav Hanke, CSc., Director, Department of Programmes for Research and Development,
Ministry of Education, Youth and Sports, CR

Ing. Bohdan Hejduk, Director, Department of the State Budget, Ministry of Finance, CR

Ing. František Hronek, CSc., Government Council for Research and Development,
Office of the Government, CR
member until 14. 2. 2005

Ing. Stanislav Juránek, Governor, South Moravia Region

František Míkš, Editor-in-Chief, Barrister&Princíp Publishers
member since 14. 2. 2005

ThDr. et Ing. Lukáš Evžen Martinec, Abbot, Old Brno Abbey, Order of St. Augustine
Vice-Chairman, MU Board of Trustees

JUDr. Otakar Motejl, Ombudsman

Ing. Jaroslav Mráz, Consultant, ICZ a. s., Praha
member until 14. 2. 2005

prof. MUDr. Petr Mráz, DrSc., Vice-Dean, Faculty of Medicine, Komenský University in Bratislava,
Slovak Republic

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

PhDr. Martin Profant, Director, Ministry of Education, Youth and Sports, CR

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

prof. Pavel Švanda, Professor, Faculty of Drama, Janáček Academy of the Performing Arts in Brno
member since 14. 2. 2005

PhDr. Jitka Vitásková, Deputy Director, Brno House of Arts
member since 14. 2. 2005

Mgr. Bohuš Zoubek, Director, Brno Philharmonic

Scientific Board

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1. COMPOSITION

Internal members

prof. JUDr. Josef Bejček, CSc.
Faculty of Law
doc. PhDr. Mikuláš Bek, Ph.D.
Faculty of Arts
prof. RNDr. Václav Blažek, CSc.
Faculty of Arts
prof. MUDr. Zuzana Brázdová, DrSc.
Faculty of Medicine
prof. PhDr. Petr Fiala, Ph.D.
Faculty of Social Studies
doc. RNDr. Milan Gelnar, CSc.
Faculty of Science
prof. RNDr. Jozef Gruska, DrSc.
Faculty of Informatics
prof. RNDr. Josef Humlíček, CSc.
Faculty of Science
doc. PhDr. Michal Charvát, CSc.
Faculty of Sports Studies
prof. PhDr. Jiří Kroupa, CSc.
Faculty of Arts
prof. MUDr. Jindřich Lokaj, CSc.
Faculty of Medicine
doc. JUDr. Ivan Malý, CSc.
Faculty of Economics and Administration,
from 20. 4. 2005
prof. MUDr. Jaroslav Meluzín, CSc.
Faculty of Medicine
prof. PhDr. Ivo Možný, CSc.
Faculty of Social Studies

prof. RNDr. Jana Musilová, CSc.
Faculty of Science
doc. PaedDr. Vladislav Mužík, CSc.
Faculty of Education
prof. Ing. Pavel Ondrčka, CSc.
Faculty of Economics and Administration
PhDr. Jan Pavlík
Faculty of Arts
prof. PhDr. Ladislav Rabušic, CSc.
Faculty of Social Studies
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. Ing. Antonín Slaný, CSc.
Faculty of Economics and Administration
prof. RNDr. Jan Slovák, DrSc.
Faculty of Science
prof. PhDr. Maxmilián Strmiska, Ph.D.
Faculty of Social Studies
doc. JUDr. Jan Svatoň, CSc.
Faculty of Law
prof. PhDr. Rudolf Šrámek, CSc.
Faculty of Education
prof. RNDr. Jiří Zlatuška, CSc.
Faculty of Informatics
prof. MUDr. Jan Žaloudík, CSc.
Faculty of Medicine

External members

prof. JUDr. Pavel Holländer, DrSc.
Constitutional Court, CR
prof. RNDr. Helena Illnerová, DrSc.
Academy of Sciences, CR
doc. RNDr. Petr Kolář, CSc.
Ministry of Education, Youth and Sports, CR
doc. RNDr. Jan Konvalinka, CSc.
Academy of Sciences, CR
doc. RNDr. Stanislav Kozubek, DrSc.
Academy of Sciences, CR
prof. PhDr. Milena Lenderová, CSc.
University of Pardubice
prof. RNDr. Miroslav Liška, DrSc.
Brno University of Technology
prof. MUDr. et PhDr. Jana Mačáková, CSc.
Palacký University, Olomouc
prof. Dr. phil. Marek Nekula
University of Regensburg, Germany

prof. PhDr. Miloslav Petrušek, CSc.
Charles University in Prague
prof. Ing. Oldřich Pytela, DrSc.
University of Pardubice
prof. Jan Sokol, CSc., Ph.D.
Charles University in Prague
prof. RNDr. Vladimír Souček, DrSc.
Charles University in Prague
prof. RNDr. Václav Suchý, DrSc.
Brno Veterinary and Pharmaceutical University
prof. RNDr. PhDr. Jan Štěpán, CSc.
Palacký University in Olomouc
prof. Pavel Švanda
Janáček Academy of the Performing Arts in Brno
prof. Bedřich Velický, CSc.
Charles University in Prague





2. ACTIVITIES

The Scientific Board met a total of four times in 2005. Regular agenda items included reports and meetings on the activities of Masaryk University in Brno, discussion of recommendations for the naming of professors and proposals for bestowing MU honorary titles and MU's Great Gold, Gold and Silver Medals. The Scientific Board discussed 13 recommendations for professorships, of which 11 were approved (and two suspended).

Proposals for professorships approved:

doc. PhDr. Pavel Barša, M.A., Ph.D., Charles University in Prague, political science

doc. PhDr. Milena Bartlová, CSc., art history

doc. RNDr. Ivo Budil, Ph.D., West Bohemia

University in Plzeň, anthropology

doc. PhDr. Ivo Čermák, CSc., Institute of Psychology, Academy of Sciences CR, general psychology

doc. MUDr. Roman Hájek, CSc., oncology

prof. Dr. phil. Marek Nekula, University of Regensburg, Czech language

doc. MUDr. Katarína Schmidtová, CSc.,

P. J. Šafárik University in Košice, anatomy

doc. PhDr. Jiří Svoboda, DrSc., Archaeological Institute, Academy of Sciences CR, anthropology

doc. MUDr. Lenka Špínavová, CSc., internal medicine

doc. JUDr. Vladimír Týč, CSc., international civic law

doc. MUDr. Rostislav Vyzula, CSc., Masaryk Institute of Oncology, oncology

Table 1a Proceedings for professorships and associate professorships heard by the MU Scientific Board in 2005

	Professors			Associate Professors		
	Total	MU	Suspended	Total	MU	Susp ended
FL	1	1	0	3	2	1
FM	2	1	0	8	7	1
FS	5	5	0	25	16	4
FA	3	1	1	6	5	1
FE	0	0	0	9	2	2
FEA	1	1	0	0	0	0
FI	0	0	0	2	2	0
FSS	1	0	0	3	2	0
FSpS	0	0	0	2	2	0
Total	13	9	1	58	38	9

Average age of professorial candidates 47.9 years, age range 40 – 62 years.

Average age of associate professor candidates 46.4 years, age range 31 – 73 years.

Table 1b Number of proceedings for professorships and associate professorships at MU

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Professors	16	18	13	18	11	30	22	25	24	13	13
Avg. age	–	57.1	54.9	54.6	49.6	54.6	50.7	52.4	51.1	51.6	47.9
Associate professors	55	62	57	69	46	42	24	40	39	58	38
Avg. age	–	48.9	48.2	48.0	45.1	48.9	46.2	45.8	47.9	45.3	46.4

Academic Senate



1. MEMBERS

prof. MUDr. Jindřich Vomela, CSc.
Chairman

RNDr. Miroslav Kolář, CSc.
Mgr. Lukáš Maňásek – to 30. 6. 2005
Vice-Chairmen

Chamber of Academic Employees

Faculty of Law

JUDr. Filip Křepelka, Ph.D.
JUDr. Jana Jurníková, Ph.D.
doc. JUDr. Milan Galvas, CSc.

Faculty of Medicine

prof. MUDr. Ivo Šlapák, CSc.
prof. MUDr. Anna Vašků, CSc.
prof. MUDr. Jindřich Vomela, CSc.

Faculty of Science

doc. RNDr. Zdeněk Ondráček, CSc.
doc. RNDr. Jan Cělý, CSc.
RNDr. Miroslav Kolář, CSc.

Faculty of Arts

PhDr. Jarmila Bednaříková, CSc.
doc. PhDr. Michaela Soleiman pour Hashemi, CSc.

Jeffrey Alan Vanderziel, B.A.

Faculty of Education

doc. 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 Moravanský, CSc.

Faculty of Informatics

doc. RNDr. Mojmír Křetínský, CSc.
doc. PhDr. Karel Pala, CSc.
Aleš Horák, Ph.D.

Faculty of Social Studies

doc. PhDr. Lubomír Kostroň, M.A., CSc.
PhDr. Petr Suchý, Ph.D.
Mgr. Jan Mareš

Faculty of Sports Studies

doc. PhDr. Josef Pavlík, CSc. – to 31. 8. 2005
doc. PhDr. Aleš Sekot, CSc. – to 31. 8. 2005
PaedDr. Věra Večeřová
PaedDr. Zdeněk Janík – to 1. 9. 2005
Mgr. Alena Stodůlková – to 1. 9. 2005

University units

doc. RNDr. Václav Račanský, CSc.

Chamber of Students

Faculty of Law

Dan Dvořáček – to 30. 6. 2005
Martin Kašpar – to 30. 6. 2005

Faculty of Medicine

Lucie Kavalcová – to 30. 6. 2005
Luba Gabrhelová – to 30. 6. 2005

Faculty of Science

Mgr. Erik Caha
Mgr. Radek Brynda

Faculty of Arts

Kateřina Haklová
Mgr. Jan Špaček

Faculty of Education

Petr Poláček – to 30. 6. 2005
Bc. Romana Zbořilová

Faculty of Economics and Administration

Eduard Bakoš – to 30. 6. 2005
Juraj Žiak

Faculty of Informatics

Mgr. Lukáš Maňásek – to 30. 6. 2005
Bc. Vladimír Pečený – to 31. 3. 2005
Filip Nešpor – from 1. 4. 2005

Faculty of Social Studies

Jiří Jeřábek
Mgr. et Mgr. Jiří Nantl – to 31. 3. 2005
Bc. Roman Binder – from 1. 6. 2005

Faculty of Sports Studies

Zdeněk Přikryl – to 31. 8. 2005
Barbora Zuchová
Mgr. Petr Kadlec – from 1. 11. 2005





2. ACADEMIC SENATE

The work of the Academic Senate (AS)

One of the basic attributes of the Academic Senate at a higher education institution should be functional coresponsibility for decisions on the programmes and goals of the institution and, in the case of Academic Senates at universities, the ability to provide comprehensive direction above the faculty level. Thus the activities of the AS MU in 2005 were focused primarily on the programme of the university and its constituent parts.

Besides the usual issues set forth in the MU Statutes, the Senate as a body set a number of goals for itself in 2005. Among its priorities were to determine, in cooperation with the leading officers of the university and the individual faculties, an optimal set of rules for arriving at a university budget that would be perceived as fair and just and accepted as such. The fundamental prerequisite for achieving this was an early start on discussions within the AS MU's Finance Committee about the rules for generating budgets. These discussions, which included representatives of all the MU faculties, led to unanimous approval at a meeting of the AS MU in December 2005 of a set of rules for putting together the MU budget for 2006.

Because the present Academic Senate entered the last year of its term of office in 2005, at the end of the summer semester it called upon the individual faculty Senates to conduct elections to the AS MU in a timely manner so that the body might continue in its work without interruption into 2006. It is the responsibility of each faculty to ensure that its representatives in the AS MU are fully equal to the task; this applies not only to the academic staff, but to members of the Chamber of Students as well.

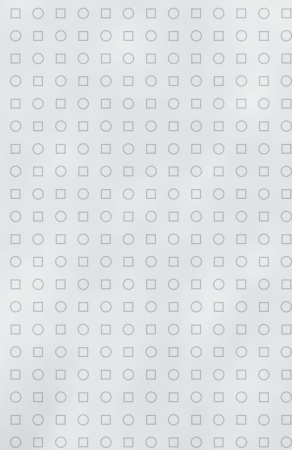
Another important task requiring the attention of the Senate was the construction of the university campus, in particular the beginning of a new stage in the project. Critical for the AS MU were key joint decisions taken on the construction of new parts of the university. Highly appreciated in this regard is the interest on the part of the Rector and Vice-Rectors in providing timely, quality information and cooperating with the AS MU in discussions on all of the current issues facing MU. The Academic Senate regularly requested and received information on all matters related to these issues. Reports from MU officials responsible for building the Bohunice campus were regular items on the Senate's agenda. The contents of the individual web pages dealing with the Bohunice campus project were regularly updated in order to make this information available to the public. Likewise information was passed along at MU's academic assemblies. The AS MU considers the construction of the university campus something of key concern for the whole university, and it will continue to see that it is carried out rationally and efficiently, with a view toward the financial viability of future operations.

The Chairman or Vice-Chairman of the AS regularly took part in the Rector's Board and meetings of top university officials. In relations with the faculties, the AS emphasized direct cooperation with the individual faculty Senates. In the latter part of the year a public discussion was initiated on the activities and visibility of the MU AS. This discussion is to continue over the next few years as well.

Activities of the committees

Within the AS MU there were two very effective working groups – the Financial Committee of the AS MU headed by RNDr. Miroslav Kolář, CSc. (FS MU), and the Legislation and Mandate Committee of the AS MU under JUDr. Filip Křepelka, Ph.D. (FS MU). The programme of both committees was active cooperation with the university leadership as well as with the academic Senates of the faculties. An important achievement of the AS MU Financial Committee was the timely approval, even before the beginning of the fiscal year, of the university budget rules.

The Legislative and Mandate Committee of the AS MU was assigned to prepare the AS's analyses of proposed new university regulations. Their quality work meant that every legislative measure submitted for approval to MU was accompanied by informed commentary and discussion at the AS MU meetings. Members of the Senate were therefore much better informed, and the process of adoption by the Senate of the recommended norms was significantly expedited.



Jean-Marie Lehn

Professor of Chemistry at the Collège de France in Paris, author of almost 800 scientific publications and review papers.

For his research activities in the field of the development and use of molecules with structure-specific interactions of high selectivity, he was awarded the Nobel Prize in 1987 along with Donald. J. Cram and Charles J. Pedersen.

In 2005 he received an honorary doctorate from Masaryk University.

Research



1. CURRENT FOCUS OF RESEARCH

Masaryk University, by the direction and the interrelated sum of its activities, is fundamentally a research university. Proof of this lies in the close relationship between research and teaching in the doctoral and Master's degree programmes, including targeted efforts to internationalize the doctoral studies programme, especially in the form of doctorates with dual recognition, as well as through a number of successfully implemented research projects over a wide range of disciplines currently being pursued at the university. In 2005 the university again saw excellent teamwork in the area of general and applied research, especially in some of the new long-term research projects, research centres and centres for basic research. The university was unusually successful in the drive to fund these research and development projects. Besides the traditional disciplines of the natural sciences and medicine, last year the university continued to see significant improvement in academic performance in other areas as well – the humanities, economics and law.

Faculty of Law

In the area of academic research, the link between national and European dimensions of the issues being examined has been emphasized in recent years. This trend is the background for a research project begun in 2005 entitled "The European Context of Changes in Czech Law after 2004"; it is one of the faculty's priority research projects. Projects sponsored by the Czech Science Foundation, one focusing on the problems of the current development phase of legal changes in the EU's external trade relations, another on anti-trust policy and mergers in the CR and the European context, were completed successfully. The faculty also took part in the university project "Multimedia and IT support for all forms of instruction at MU" under the Transformation and Development Programmes of the Ministry of Education. The advancement of e-learning methods will be among the faculty's top priorities in coming years as well.

In 2005 the 7th annual SVOČ Student Academic Competition was held in the areas of

private and public law and European and international law. As always, the Czech Republic's highest judicial bodies, the Constitutional Court, the Supreme Public Prosecutor's Office, the Office of the Ombudsman and representatives of the private legal community supported the competition by setting the topics and awarding special prizes.

Faculty of Medicine

Research activity by the Faculty of Medicine is carried out by the academic institutes through projects supported by the Czech Science Foundation and other agencies and, in the area of health care, with the participation of members of the academic community through pre-clinical and clinical projects undertaken at the faculty or at faculty hospitals supported by the Ministry of Health. Research projects are guided by implementation teams composed of personnel from the theoretical institutes and the clinical units. Among the research priorities are studies of the causes of and new treatments for the main "diseases of civilization", for example cardiovascular illnesses and cancer, and the study of brain function and repair processes. Other activities concentrating on the most advanced and promising programmes in biomedical research include the creation of an innovative environment and support for academic entrepreneurship in the area of biomedicine. These efforts are developed in close cooperation with the Faculty of Science and the Institute of Biophysics, Academy of Sciences CR, at the joint Laboratory for Biomedical Technology (ILBIT) located on the new university campus. The introduction of modern teaching methods and trends in the area of bio-informatics receives long-term support from the Ministry of Education through its Development Programmes.

Faculty of Science

The Faculty of Science is a highly productive faculty within MU; it has been the most successful faculty in gathering support for its research projects and centres for basic research. It concentrates especially on applied research, which creates the best conditions for balanced development in the individual natural sciences. A portion of research

capacity is directed toward non-focused and non-specific research connected with teaching at the doctoral studies level in particular. The main research and development activities are based on the long-term trends in the individual major disciplines: biology, physics, Earth sciences, chemistry and biochemistry, and mathematics.

Research in the field of biology is focused especially on monitoring changes in space and time in the 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 the genomes of representatives of the major groups of organisms. Research in physics is concentrated on material and plasma applications, astrophysics and theoretical physics. Earth Sciences focus on geological processes and the development of biotas in the geological past, on current environmental problems, the creation of spatial geo-informational infrastructures, the development of methods of cartographic geovisualization, and the geographic and ecological study of the oases of vegetation in Antarctica. Research in the field of chemistry includes study of the chemical and physical properties of chemical compounds, structural analysis, organic and inorganic synthesis, photochemistry, environmental chemistry, computer modelling of chemical processes, and in biochemistry the structure and functions of bio-organic molecules and their role in the metabolism or enzymology. Areas of concentration in mathematics include differential equations and statistical models, and mathematical structures in algebra and geometry and their applications in informatics and physics.

Faculty of Arts

The past year was this faculty's most successful yet in terms of research output. Its research grants and other targeted funding reflected the long-term development trends of the individual research areas. Preferred areas of research include: the role of countries and historical lands in the history of Europe, archaeological research at Pohansko, Těšetice and Rokštejn, linguistic and literary area studies, and clinical psychology.

Research on the psychological and pedagogical sciences is concentrated in the areas of: deficit of cognitive function and psychology of the personality, school administration and development and lifelong learning for various groups of adults. The disciplines of history and art history focus on research on the medieval Czech state, the country's historical estates and civic society, and the history of art from the point of view of its social context, reception and use, and historical context. Archaeological research tracks social structures in the prehistoric era through the high Middle Ages.

Linguistic research is concentrated on Classical studies (especially Mycenaean Greek, Greek dialectology and medieval Latin, in all of which the university has a European reputation) and general linguistics (comparative Indo-European

linguistics and synchronic structural linguistics of the Czech language). Other significant research activities include Slavonic languages (the "Brno comparative school of literary types and genres"), Czech language studies (development of Old and Middle Czech), and Western European languages (Canadian Studies, Latin American Studies, Czech-German Studies).

Philosophical studies are concentrated on the history of modern Czech thought and contemporary ontology in relation to the natural sciences. Research on religion follows new religious movements and the evolution of Tibetan Buddhism. Musicologists are working on a music lexicography, the history of church hymnals in the Czech lands as well as Czech musical culture in the 20th century. Research in the visual media is focused on the use of technology in the presentation of the performing arts, historical poetics and rhetoric, and the history of film.

Faculty of Education

The direction of research and development at the Faculty of Education is derived from its main mission, which is the preparation and training of teachers at every level for every type of school. The faculty emphasizes research and development in the areas of educational and pedagogical disciplines – pedagogy, general didactics, teaching of the individual disciplines, special pedagogy, social pedagogy and child psychology. The research project entitled "The School and Health in the 21st Century" is a team project in this preferred field that was started in 2005 following the successfully-defended research project Teachers of Health. A number of smaller projects in this area were conducted with financial support from the Czech Science Foundation, the Ministry of Education and other sponsors. Two projects in the field of integrated counselling for disadvantaged persons were successfully completed under the European initiative EQUAL. Academics at the individual departments are also carrying out research in their fields of study, whether independently or in cooperation with other universities or research institutes. The faculty supports involvement by Master's degree and doctoral students; in 2005 there were 48 faculty research projects financed from specific grants amounting to over 900,000 CZK. Every summer scholars from the Faculty of Education conduct research at the Great Moravian site at St. Hypolitus in Znojmo, a unique activity among Faculties of Education. The artistic activities of teachers in the departments of music and the fine arts are an integral part of the FE's work.

The output of the individual departments at the faculty is evaluated every year; after wide-ranging discussions within the faculty these evaluations were extended in 2005 and linked with the system of department funding.

Faculty of Economics and Administration

The direction of the faculty's research activities stems from the structure of the individual



disciplines and the direction of their activities. Research focuses on the following areas in particular: systemic and institutional projects in the process of transformation, analysis of the macro-economic development of major economic characteristics, structural aspects of the development of the Czech economy, the influence of monetary policy and external shocks on small open economies, the development of economic thought in Moravia; the development of monetary-economic relations in Moravia, the financial system of the CR, transformation of the CR's monetary sector, developmental tendencies of organizational structures of businesses and business economics, evaluation of firms' efficiency, use of firms' human resources, the development of businesses' financial management in the context of European economic integration, support for small and medium-sized businesses, unemployment; efficiency of the public sector, the workings of the non-governmental non-profit sector, public-sector management and budgeting; regional development and its economic aspects; regional information systems, methods for creating strategic and programme documents in the tourist industry. In addition to grants obtained through the Czech Science Foundation, the faculty is also involved in research projects of the Ministry for Regional Development, the Ministry of the Interior, the Ministry of Health and the Ministry of Education.

Faculty of Informatics

The faculty's research activities are concentrated at its research laboratories: HCILAB – Human Computer Interaction Laboratory; LOM – Laboratory of Optical Microscopy; NLP – Natural Language Processing Laboratory; ParaDise – Laboratory for Parallel and Distributed Systems; LSD – Laboratory of Search and Dialogue; Sitola – Laboratory of Advanced Networking Technologies; the Knowledge Discovery Group; LEMMA – Laboratory for Electronic and Multimedia Applications; and the Atelier for Graphic Design. In 2005 two new laboratories were created – the Laboratory of Quantum Information Processing and Cryptography, and LaBAK – Laboratory of Security and Applied Cryptography.

In 2005 the faculty was involved in one long-term research programme – Highly Parallel and Distributed Computer Systems. It also cooperated on a long-term research programme with the Faculty of Science – Dynamic Geovisualization in Crisis Management. In addition, the faculty is also co-principal investigator for a 1M research centre – Institute of Theoretical Informatics – and principal investigator for two LC basic research centres: the Centre for Computational Linguistics, and Dynamics and Organization of Chromosomes during the Normal and Pathological Cell Cycles. The faculty also carried out twelve Czech Science Foundation projects: five post-doctoral, six standard (two as co-principal investigator) and one doctoral project. In addition, the faculty was involved with seven projects

for the Czech Academy of Sciences, two projects for the Academy of Sciences Grant Agency and the Ministry of Education, and one project for the National Security Office and the Internal Grant Agency of the Czech Ministry of Health.

Faculty of Social Studies

Research activities by the faculty focus primarily on the problems of social transformation. Studies are concentrated specifically on the following areas of study: problems of social reproduction including issues involving the reproduction of families; changes in the opportunities and forms of participation in the labour market and their reflection in social inequality; family life, etc.; causes, forms and results of social exclusion, social cohesion and the integration of ethnicities, minorities, marginalized groups and their identity; demographic trends, children, youth, family issues – trends in development; social relations and context; counselling services, social and intervention programmes; sociological, political and psychological reflection of identity. Social, cultural and institutional conditions for active citizenship; political theory, political systems, research on political parties and representation of interests under conditions of multi-level governance, European integration, the Europeanization of actors in the political system, security aspects of international relations, foreign policy of selected actors, theory of international relations; the role of the social state in relation to the dynamics of modern society, especially with regard to employment policy, social policy and social programmes, the local politics of social services and work programmes in Roma communities, the service culture of social work; the problems of environmentally-friendly lifestyles and enhancement of the cultural landscape.

Faculty of Sports Studies

The Faculty of Sports Studies directs its research activities toward the field of kinanthropology – a field dealing with the physical movements of human beings in the broadest sense. Kinanthropology is a multidisciplinary field that ties into a number of other disciplines – biomechanics, psychology, sociology, physiology, medicine – and overlaps with them in the context of human movement. Academic and research activities focus on three basic priority areas – structural and developmental kinanthropology, social, cultural and pedagogic kinanthropology, and medical kinanthropology. Applied research brings important practical observations in the area of physical activities and sport at school and recreation, for both healthy persons and those with weaker health, of all age categories, at all levels of physical capability.

Institute of Computer Science

The long-term focus of research and development at the Institute of Computer Science – a university institute – is a set of four preferred areas: parallel and distributed systems – grids; digital libraries

and their application; the use of information and communication technologies for the collection, transfer, processing, archiving and dissemination of digitalized images for medicine; and finally the development of special equipment on the basis of programmable hardware.

International Institute of Political Science

In 2005 the activities of the International Institute of Political Science (IIPS) – a university institute – were focused primarily on producing publications and organizing academic seminars and conferences. The IIPS continues to serve as a coordinator of research projects in the field of political science, helping to provide appropriate venues for presentation (conferences, publications, etc.). Since the beginning of 2005 the research activities of the IIPS have been concentrated into four thematically focused research programmes: “European Integration”, “European Regionalism”, “Modern Politics” and “Transatlantic Relations and Security”. Each of these programmes is devoted to a specific set of issues, and together they cover a wide spectrum of issues. In 2005 the IIPS dealt mainly with the phenomenon of European integration and the various aspects of transfor-

mation of the institutional structure of the EU, as well as with the study of regional development and regional interests. It continued its research on modern politics in the Czech Republic and Central Europe, and made significant progress on the examination of trans-Atlantic relations, with special emphasis on the security relationship between the USA and the EU.

Regional Development Centre

The research activities of this interdisciplinary institute were oriented in 2005 on case studies dealing with issues of regional development. The case studies involved evaluation of a series of surveys commissioned by regional governments (South Moravia, Liberec and Vysočina) on unemployment, manufacturing, the tourist industry and recreation. Special attention was devoted to the preparation of official publications for the Czech Ministry for Regional Development (The Czech Republic: Regional Portraits) and the Vysočina Region (The Vysočina in Maps and Statistics).

2. INTERNATIONAL COOPERATION IN SCIENCE AND RESEARCH

One of the requirements for successful research and development is effective cooperation between research teams. The various departments and other units of Masaryk University have long been engaged in cooperation with institutions abroad that cultivate scholarship and participate in research and development, mainly on the university level, but also with academic institutes that are not primarily engaged in teaching. Most of this cooperation is conducted on the basis of signed agreements, but there has also been a great deal of informal cooperation leading to joint publication of results and the organization of international conferences, seminars and other professional events. Cooperation with foreign institutions, especially universities, is an important prerequisite for the internationalization of doctoral studies. This has made it possible to introduce what are referred to as double doctoral degrees. At present there are thirteen students at the university studying under this programme: one at the Faculty of Medicine, six at the Faculty of Science and five at the Faculty of Arts (all in cooperation with institutions in France), as well as one at the Faculty of Informatics (Italy). International cooperation is also conducted through the university's research centres and its basic research centres.

Faculty of Law

The Faculty of Law has traditionally been involved in organizing academic conferences and seminars aimed at studying key questions in individual legal disciplines that are attended by leading Czech and foreign scholars. The 3rd in-

ternational conference Kyberprostor (Cyberspace) 2005, organized by the Faculty of Law in cooperation with the Faculty of Social Studies, took up the results of research conducted on the effects of information networks (especially the Internet) by scholars in the humanities, with the emphasis on legal questions.

The faculty's teachers and doctoral students played an active part in academic conferences and seminars abroad, studied at foreign institutions in Europe and the USA, took part in the activities of international organizations, and as consultants participated in the activities of bodies of the Council of Europe.

Longstanding cooperation continued with the John Marshall Law School in Chicago and with the Fordham Centre on European Law in New York. A cooperation agreement was signed with the Faculty of Law at the University of Trnava in Slovakia.

Faculty of Medicine

An important part of the specialized work of the faculty's clinics and Centre for Biostatistics and Analyses is conducting clinical studies and testing new medicines and treatment regimes in cooperation with international pharmaceutical firms. Traditionally the faculty has specialized in international programmes in medicinal epidemiology and prevention. Two of its units worked on projects under the COST programme, and two more were members of teams implementing projects under the 6th EU Framework Programme. Agreements were made to continue cooperation with partners in Dallas (Southwestern Medical



School Dallas) and Birmingham (University of Birmingham) on student and academic exchange programmes. Doctoral students conducted studies abroad under the Socrates/Erasmus programme, the Marie Curie Fellowship, and through a scholarship from the government of Switzerland provided by the Centre for International Services (DZS) of the Ministry of Education. Cooperation was also initiated with France on double doctoral degrees.

Faculty of Science

The faculty is involved in wide-ranging international cooperation in the form of exchanges, joint research programmes, conferences, internships for young scientists and joint publications. In cooperation with universities abroad, joint doctoral studies programmes and post-doctoral stays for young scholars are made possible. Interest has grown in double doctoral degrees. The faculty invited foreign guest professors to speak under its programme "Innovation Lectures", which was begun in 2004. In 2005 faculty personnel took part in research projects that were part of foreign programmes, for example the EU Framework Programmes, KONTAKT, CEEPUS, INGO, ERASMUS, LEONARDO DA VINCI, NATO – Science for Peace and others. There is a wealth of informal cooperation as well with more than two hundred foreign institutions and universities, especially in the form of joint publications, teaching cooperation, exchanges and internships, study stays by students and academics and personal contacts.

Faculty of Arts

During 2005 faculty departments worked with a number of foreign institutions on specific research projects; faculty personnel attended symposia and colloquia abroad and published in international journals. Among the most important projects were research in psychology shared by the Psychiatric Clinic at the Faculty Hospital in Bohunice and the Psychiatric Clinic in Regensburg. Also of importance were international projects by the Department of History, the Czech Language Department and the Department for Religious Studies (a joint project with the Department of Religious Studies at the University of Bayreuth). Projects with other departments also yielded results in the form of the joint international conference ENIRDEM (European Network of Research in Educational Management), an international colloquium organized by Romance studies scholars with guest professors from the University of Québec at Montréal, "Media and Performance" (a theatre performance together with the Goethe Institute), and an international conference of doctoral programmes in Classical Studies, "Laetae segetes". Individuals from the faculty took part in conferences in Rzeszów, Lisbon, Dublin and elsewhere, while others participated in the Socrates/Erasmus, Socrates/Comenius and Jean Monnet programmes.

International cooperation in publishing is a special feature of the work of the Department of Czech Language which, working with the University Degli Studi in Naples, began publishing the work of Czech Studies scholars in Naples. The faculty was a partner in the European Commission's Central European project "The Message of Colours, Shapes and Concepts: the Church of the Flagellated Saviour in Dyje – Enhancing the Cultural Landscape and European Integrity", which was launched together with a series of lectures by art historians in Vienna, Budapest and Bratislava and concluded with an international publication.

Faculty of Education

The faculty works with foreign partners in a broad range of disciplines both on the basis of agreements signed between Masaryk University and universities in Poland, Hungary, Austria, Germany and Slovakia, as well as on the basis of agreements at the faculty level with the University of St. Cyril and Methodius in Trnava, Slovakia, and the University of Prešov. It also cooperates at the departmental level with universities, research institutes and other organizations in France, Germany, Austria, Great Britain, Sweden, Finland, Spain, Portugal, the Netherlands, Switzerland, Italy, Cuba, Ukraine, Estonia, Hungary, Poland, Slovenia, Australia and the USA.

In 2005 two research projects submitted by the faculty were accepted by the EU Structural Funds; two projects under the EQUAL programme were successfully completed, as well as two Ministry of Education projects under the 1K programme (in cooperation with Slovenia); work on Aktion, Ceepus and Mutual Scientific-Technical Cooperation (with Germany and Slovakia) projects continued, as did the projects on Cytoskeleton and Cell Cycle of Yeast in cooperation with the Institut für Molekulare Biotechnologie in Jena; activities under Socrates programmes (Erasmus, Comenius and Grundtvig) also continued.

With growing international cooperation, there has been an increase each year in the number of business and study trips abroad by teachers and students, arranged on the basis of invitations from abroad, in the context of grant projects and as part of international programmes, and to a lesser extent on the basis of partnership agreements, Ministry of Education or AIA quotas and individual contacts. Study trips by doctoral students are also supported within faculty research projects.

Teaching in doctoral degree programmes in foreign languages is gradually being introduced as part of the process of internationalization. The field of Special Pedagogy is accredited in German and English, and that of the Teaching of Fine Arts in German. Individual courses are also being taught in these languages. International doctoral studies in cooperation with foreign universities are made possible through the double doctoral degrees.

Faculty of Economics and Administration

The international activities of the faculty are mainly carried out with other universities. In 2005 the faculty cooperated actively with the University of Economics in Bratislava and Matej Bel University in Banská Bystrica, Slovakia; the Economics Academy in Krakow and the Economics Academy in Katowice; and the Vienna University of Economics and Business Administration. The main focus of cooperation is joint research followed by joint publication of findings, and the creation of study materials. Exchanges of teachers, internships and lectures are made possible in the framework of the SOCRATES/ERASMUS programme with universities and other tertiary-level institutions in France (Rennes), Austria (Eisenstadt), Slovenia (Ljubljana), Germany (Bochum, Göttingen, Tübingen) and Great Britain (Huddersfield, Plymouth).

Faculty of Informatics

International cooperation in 2005 took place in the form of participation by teachers at international conferences and through cooperation on international grant projects. Participation by scholars in the 6th EU Framework Programme was broadened – the faculty is now the co-principal investigator in two networks of excellence, NoE DELOS and NoE FIDIS, and is implementing a project supported by German's Alexander von Humboldt Foundation. The faculty is also a member of the international non-governmental research association ERCIM along with fifteen other leading European institutions. It continued to organize its traditional Informatics Colloquia, which are attended by leading specialists from the CR and abroad. In 2005 the faculty organized four international conferences. An agreement on double doctoral degrees was signed with the University of Pisa.

Faculty of Social Studies

The faculty worked with foreign institutions through joint participation by its departments in European Union programmes and joint grant projects. These are primarily projects of the EU Commission and the Jean Monnet programme, LEONARDO and the 5th and 6th EU Framework Programmes. Exchanges by teachers and students, internships and lectures are arranged on the basis of agreements under the SOCRATES/ERASMUS programme and other agreements. Faculty scholars are members of the editorial boards of a number of international journals, expert commissions and professional associations. They also take part in the organization of international conferences, among them the fourth annual conference on "Conflict in Identities, Identities in Conflict", organized in cooperation with MU's International Institute of Political Science, the Konrad Adenauer Foundation and the Institute for International Relations in Prague, and an international conference of the European Social Policy Research Network. The faculty

was also responsible for the organization of an international conference on "The European Left at the Beginning of the 21st Century", attended by political scientists from the Czech Republic, Denmark, France, Poland and Slovakia.

Faculty of Sports Studies

The faculty's international academic and research cooperation is conducted mainly within the framework of bilateral agreements with universities all over Europe. Other cooperation takes place within the framework of the SOCRATES/ERASMUS and CEEPUS CZ-012 (in the second semester under the new heading CEEPUS CZ-59) programmes, intended to promote the mobility of students and teachers. One of its more interesting activities is the outdoor exchange course that it organizes in cooperation with the Technical University of Munich, attended by students and teachers from both institutions.

In 2005 there were visits by a number of foreign scholars who offered lectures in the areas of kinanthropology and the sociology of sports. Among the most important of these was Dr. Thomas Carter of the University of Wales. The Faculty of Sports Studies also organized its annual international academic conference on "Sport and Quality of Life", attended by specialists from many European and North African countries, with financial support from the International Visegrad Fund.

Institute of Computer Science

The institute's international cooperation consists mainly of participation in European projects and active participation in and the organization of international conferences and summer schools. The past year has seen the completion of two projects under the 5th EU Framework Programme, GridLab and SCAMPL. Participation continued in "networks of excellence" under the 6th EU Framework Programme: CoreGRID, devoted to the problems of grids, and DELOS, concerning digital libraries (jointly with the Faculty of Informatics). Another 6th EU Framework Programme project was started under the title HEALTHWARE, devoted to the use of satellite technology in providing medical services. In 2005 the ICS also took part in activities focusing on the use of large optic fibre networks with its very successful demonstration of a multi-point video conference with very high picture quality for two conferences, iGrid2005 (San Diego) and SC05 (Seattle).

International Institute of Political Science

In 2005 the Institute developed its close partnership with the Konrad Adenauer Foundation. Thanks to this cooperation a series of academic conferences was organized, including the international conferences "Europeanization – a New Theme in Political Science Research", "Euro-Atlantic Relations and the Role of the New EU Member States" and "The EU and Corruption: Examples and Countermeasures". The work with



the Konrad Adenauer Foundation is also oriented toward support for publications: in 2005 the International Institute of Political Science issued six titles in its series Studies and Collections. In cooperation with the Embassy of the United States of America it organized the international conference "Foreign Policy of the USA after the Elections". Scholars at the institute presented their work at conferences in France, Hungary, Poland, Austria and Turkey.

Language Centre

The centre is involved in long-term cooperation with the Language Learning Centre, University of Wales in Aberystwyth, Great Britain. Under the SOCRATES/ERASMUS programme, teachers from the two universities participate in regular exchange lecture stays. Cooperation was launched in the area of research and development with

respect to new teaching methods. In 2005 a pilot project entitled "The Development and Use of Videoconferencing in Teaching English" was successfully realized: taught in parallel at the two universities, it consisted of presentations and discussions on specialized topics between students of the two universities by means of videoconference links. The Language Centre will continue these activities in upcoming years.

Under the SOCRATES/GRUNDTVIG programme, the Language Centre is cooperating on a two-year international project entitled "The Preparation of Teachers of Collaborative Teaching in Adult Education", with partners from Denmark, Norway, Spain, Lithuania and Italy. The aim of the project is to provide methodological support for overcoming barriers to the use of information technology for mutual cooperation and communication among nations.

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

Academic research issues dealt with under joint projects with Masaryk University and the Academy of Sciences of the Czech Republic (ASCR), have become a traditional part of the broad cooperation between Masaryk University and the ASCR. The close cooperation between these institutions has greatly benefited from the irreplaceable role of the ASCR as part of the doctoral programmes in a number of fields. Practically always, academic research has applicable results. This explains the success of the university's cooperation with the ministries and with non-governmental institutions that conduct research or make use of its findings.

Faculty of Law

In 2005 teachers at the faculty took part in a project for the Ministry of Regional Development devoted to the legal aspects of the housing situation in smaller towns and villages. Also dealt with were two Ministry of Foreign Affairs projects on the significance of the rulings of the EC Court of Justice on the legal system in the CR, and questions of the consequences of violation of EC/EU law for the CR as an EU member state as well as for individuals.

This year, too, saw the continuation of long-term cooperation with the country's highest courts – the Constitutional Court, the Supreme Court and the Supreme Administrative Court – in which a number of teachers also serve as judges, advisers or assistants to the judges. Also important is the cooperation with the Supreme State Prosecutor's Office in Brno, the ministries and other central bodies of government. The faculty helps in dealing with problems relating to legal practice and harmonizing the interpretation of law, mainly through providing expertise, taking part in the drawing up of proposals for

generally binding legal measures and the amendments process, and participating in the process of shaping the body of judicial rulings. Teachers serve on ministerial committees making expert analyses, share in the advisory activities of the Czech government's Human Rights Council and serve the needs of national and international non-governmental organizations.

Faculty of Medicine

The faculty has long worked closely with the Institute of Biophysics, ASCR in Brno, in the fields of molecular biology and genetics. Teaching methods and joint research on oncology with the Masaryk Memorial Cancer Institute has brought good results for many years. Likewise important is cooperation with the Traumatology Clinic at the Brno Trauma Hospital, a state-run hospital outside the system of university hospitals offering the highest quality of trauma surgery and intensive trauma care. Its spinal unit is one of the country's leaders in this area, also providing rehabilitation treatment for patients with spinal cord injuries.

Faculty of Science

The Faculty of Science's cooperation with the institutes of the ASCR and other institutions focuses on joint research projects and is particularly important in such forms as reciprocal representation in the institutions' Scientific Councils, participation as academic reviewers, the editing and publishing of scientific journals and reviews of the findings published there. Especially intensive is the cooperation with the Czech Academy of Sciences in the area of doctoral degree programmes based on bilateral agreements signed with institutes of the Academy – the Mathematical Institute in Prague, the Institute of Macromolecular Chemistry in Prague,

the Astronomical Institute in Ondřejov, the Institute of Geology in Prague; as well as Brno institutes such as the Institute of Biophysics, the Institute of Hydrobiology, the Institute of Parasitology, the Institute of Vertebrate Biology, the Institute of Analytical Chemistry, the Institute of Physics of Materials and the Institute of Scientific Instruments. The faculty works with the Veterinary Research Institute and the Masaryk Memorial Cancer Institute. Many of these institutions share accreditation for doctoral programmes with the Faculty of Science.

Faculty of Arts

The departments of the Faculty of Arts work very closely with their partner institutes within the ASCR, working on joint research projects, organizing international conferences and shaping a common conception for doctoral studies. Scholars from the Faculty of Arts serve on the editorial boards of AS journals, the individual AS commissions, etc. These activities are of a long-term and regular character. Exceptionally close cooperation exists between faculty scholars and historians from the Institute of History in Prague and Brno, archaeologists of the Institute of Archaeology, psychologists from the Institute of Psychology and philosophers at the Institute of Philosophy and the Masaryk Institute. A number of the faculty's departments have long experience in implementing ASCR grant projects (standard and junior), and work on newly supported projects has commenced.

Individual departments participate in ministry programmes (the Ministry of Health – psychology; the Ministry of Labour and Social Affairs – education; the Ministry of Culture – musicology), and cooperation with the regional governments is beginning to develop.

Faculty of Education

In the area of research and development, the multi-disciplinary Faculty of Education works with a number of institutes under the ASCR – the Institute of Psychology, the Institute of Botany, the Institute of Organic Chemistry and Biochemistry, the Institute of Physics, the Mathematical Institute, the Institute of History, the Institute of Archaeology, the Institute of Czech Literature, the Institute of Czech Language, the Institute for Contemporary History, the Institute of Physics of Materials and the Institute of Macromolecular Chemistry. Cooperation is oriented toward both research and teaching.

With regard to other institutions, the faculty cooperates with teaching centres in various towns, centres for the continuing education of teachers, the Institute for Information on Education, the Centre for Evaluating Educational Success (CERMAT – the new secondary-school graduation exam), the Transportation Research Centre (CDV – traffic education), the Czech Office for Surveying, Mapping and Cadaster (committee on terminology). Other partners are organiza-

tions like the Brno Museum of Technology, the Brno House of Arts, the Association for Talented Young People, the civic association Helping Hands Association in Brno, the Czech section of the International Board on Books for Young People, the civic association Litera, the Veronica Ecological Institute, Solartec s.r.o. in Rožnov pod Radhoštěm, the Czech RE Agency, o.p.s., Elpis in Brno, the Association of Towns and Villages CR, the Centre for Church History Vranov, the St. Hypolitus Foundation, the Mikulov Centre for European Culture and the Moravia-Silesia Christian Academy in Brno. Programmes on popular science featuring faculty scholars are broadcast on Czech Radio and Television.

Faculty of Economics and Administration

In 2005 the faculty participated in joint academic research projects with the Moravian Museum, and it is continuing its long-term cooperation with research institutes and other institutions of national and local government, especially with the Regional Administration of South Moravia, the Institute for Regional Development, the Chamber of Commerce in Brno, and the South Moravia Regional Development Agency in Brno. Cooperation is ongoing in the area of joint projects with non-governmental, non-profit organizations, particularly through the faculty's Centre for Research on the Non-profit Sector (CVNS).

Faculty of Informatics

The main form of cooperation between the Faculty of Informatics and the institutes of the ASCR is through joint research projects. Especially significant is the cooperation with the Institute of Biophysics in Brno, the Institute of Czech Language, the Institute of Computer Science and the Mathematical Institute. Besides working with the ASCR, faculty scholars are involved in research projects with the National Security Office, the Faculty Hospital in Brno and CESNET (the Czech NREN operator). Cooperation with all of the above institutions is reflected in membership in one another's Scientific Boards and doctoral studies boards, contributions as outside reviewers and participation in state examination committees.

Faculty of Social Studies

In research on individual research topics and programmes, faculty scholars work with two institutes of the ASCR, the Institute of Psychology and the Institute of Sociology. Other research activities are conducted working alongside ministry personnel on applied research, for example through the Research Institute for Labour and Social Affairs, CR. There is also extensive cooperation with research institutes within the framework of joint grant projects, as well as participation by faculty scholars in the grant projects of those institutions. The faculty participates in the Modern Society programme of the Ministry of Labour and Social Affairs, and works with agencies of regional and local government, especially the Regional



Administration of South Moravia and the Brno City Municipality. Cooperation with non-governmental organizations is focused primarily on issues of social prevention and intervention, minorities, the Roma and environmental issues and protection. Other joint activities include membership in academic bodies, contributions as outside reviewers and participation in the editorial boards of professional journals and the provision of reviews.

Faculty of Sports Studies

The faculty's work with the ASCR focused on research project GA CR 2003 – 2005 "Psychological Aspects of Continuing Teachers' Education". The project "Abuse of Substances with Doping Effects by Youth in Organized and Unorganized Sports" (Ministry of Education, 2004 – 2005) was carried out in cooperation with the Czech Anti-Doping Committee.

Institute of Computer Science

Under the ASCR programme "Information Society", the ICS is helping to implement three research projects in the areas of providing access to digitalized mathematics texts, applications of intelligent systems in the field of oncology, and the effective processing of digitalized images for medicine. The ICS has close long-term cooperation with CESNET (the Czech NREN operator), mainly in the areas of optic networks, virtual environments for cooperation, programmeable hardware and telemedicine. It also participates in the development and administration of the Czech academic grid system (MetaCentrum) and on the development of a national research network. In 2005 institute personnel took on two research projects from the CESNET Development Fund. It is cooperating on CESNET's seven-year research project "Optical National Research Network and its New Applications", begun in 2004. It began long-term collective efforts with the Czech National Library in Prague to develop infrastructure for the compilation and archivalization of the Czech web. There is extensive cooperation with hospital facilities throughout the CR in developing the MeDiMed system, a metropolitan archive of digital medical information images, in 2005 with special focus on three-dimensional imaging.

International Institute of Political Science

The IIPS works with the Jagello 2000 association on research projects dealing with security issues. On the basis of this partnership, the IIPS serves as the technical guarantor of the Czech-language official portal of the NATO Information Centre – www.natoaktual.cz. The project is overseen by the Czech Ministry of Foreign Affairs. In 2005 the IIPS worked with the Office of the Government of the Czech Republic on joint research projects aimed at raising the qualifications of secondary-school teachers in the field of European integration.

Centre for Regional Development

The Centre cooperates with the firms GaREP, UAD Studio, and the College of Logistics on implementation of the project "The Rural Environment and its Revitalization – specific local resources and possibilities for their use, and specific local problems and possibilities for their resolution (for application in the region NUTS 2 Southeast)". This project, coordinated by MU, is being conducted in 2004 – 2006 under the Ministry for Regional Development programme "Research for Regional Needs".

Language Centre

Since 2004 the centre has had the task of providing courses in the Czech language for refugees seeking asylum. In 2005 it continued in these activities by participating in the projects of the EQUAL initiative. It works alongside the Consortium of Non-governmental Organizations Working with Refugees in the Czech Republic on the project "Why should they be neglected? – general improvement and utilization of the employment potential of asylum seekers". It has been entrusted with creating materials for teaching Czech to those seeking asylum, and provides consultant services for English teaching. In the project "Systematic Support for the Employment of Refugees and Foreigners Living Permanently in the Czech Republic", the centre works with the Association of Citizens Helping Immigrants, and cooperates on the creation of materials for the teaching of Czech and English to refugees.

4. LONG-TERM RESEARCH PROGRAMMES AND RESEARCH CENTRES

In addition to the many projects funded by the Czech Science Foundation, other grant agencies and ministerial programmes, the team approach to scholarship and research at the university is also evident in the significant results being shown by two new types of academic instruments – s and research centres. The faculties of Masaryk University were extremely successful in competing for long-term research programmes with 2005 start-up dates, and in winning funds for research centres and centres for basic research (see

overview in the table section). In 2005, the first year of implementation, teams from the long-term research programmes and centres of both types achieved significant results, which were presented in dozens of publications and conference presentations. The specific findings of the long-term research programmes will be evaluated as part of MU's overall internal review process.

Faculty of Law

In 2005 the Faculty of Law began a long-term research project on “The European Context of the Development of Czech Law after 2004”. During the first year of the project, members of the implementation team published, took part in international scholarly conferences and organized the conference “Directions and Trends in the Development of Czech Law after the Czech Republic’s Entry into the EU”, held in October 2005.

Faculty of Medicine

Two long-term research programmes were begun at the Faculty of Medicine in 2005, in the areas of cardio-vascular disease and neurology as well as oncology, research in the latter being done in cooperation with the Masaryk Memorial Cancer Institute. The faculty’s departments serve as co-principal investigators on three other long-term research programmes. In the interest of concentrating research capacity, there has been an effort to involve other faculty departments in new long-term research programmes that are planned for funding in 2007. The Stomatology Research Centre was opened in 2005 with support from the National Research Programme “1M Research Centres”.

Faculty of Science

The faculty’s long-term research programmes (2005-2011) – “Molecular nature of cell and tissue regulation”, “Interaction between chemical substances, the environment and biological systems and their consequences on the global, regional and local levels (INCHEMBIOL)”, “Physical and chemical properties of advanced materials and structures”, “Diversity of biota communities and populations: causal analysis of variability in space and time”, “Study and application of plasma-chemical reactions on non-isothermal, low-temperature plasma and its interaction with the surface of solid substances”, “Proteins in metabolism and in the interaction of organisms and the environment”, “Dynamic geovisualization in crisis management” and “Mathematical structures and their physical application” – have significantly strengthened the research profile of the faculty.

Important new centres for basic research for 2005 – 2009 are the “Eduard Čech Centre for Algebra and Geometry” and “Ichtyoparasitology – Centre for Basic Research”. Other important centres for basic research at the faculty include the National Centre for Biomolecular Research (NCBR) and the Research Centre for Environmental Chemistry and Ecotoxicology (RECETOX).

Faculty of Arts

Two new long-term research programmes were launched at the Faculty of Arts in 2005. On the basis of excellent results from an earlier archaeology programme, a new, thematically broader programme was devised: an “Interdisciplinary Centre

for Research on Social Structures from Prehistory to the High Middle Ages: Archaeological field research and theory, use of natural sciences, methodology and informatics, and protection of the cultural heritage”. This programme links the fields of archaeology, museology and ethnography, and cooperation with the Faculty of Science is being developed.

A second research programme is entitled “Research Centre for Central European History: Sources, Lands, Culture”, encompassing the fields of history, art history, archival disciplines and Latin and Greek (the medieval period). Both programmes include relatively intensive research efforts, as well as publications, conferences (for example, “The Napoleonic Wars and Historical Memory”), colloquia, etc., with extensive international participation. The first year of implementation of both programmes concluded with a progress report for internal evaluation by Masaryk University.

In addition to long-term research programmes, departments of the Faculty of Arts also worked with two research centres outside the university, “Research Centre for Old and Middle Czech” (the Czech Language Department and the ASCR), and “Research on the Function of Technology in the Creation and Production of the Performing Arts” (with DAMU Prague).

Faculty of Education

The long-term research programme “School and Health for the 21st Century” was launched at the beginning of 2005. In the first year tasks were assigned to the individual investigators, and in view of the multidisciplinary nature of the research team, terminology was clarified for internal purposes. In September a two-day conference was held with international participation; it produced a set of published papers in English that were distributed to a number of other faculties in Europe. Most of the personnel involved in the project took part in various conferences, maintained foreign contacts and are preparing joint publications. The programme’s first year represented a good start in working on these issues.

New plans were begun for a future long-term research programme to be entitled “Education of Students with Special Needs”.

Faculty of Economics and Administration

In 2005 the Faculty of Economics and Administration, was awarded funding for a five-year project on a “Centre for Research on the Competitiveness of the Czech Economy” by the Ministry of Education under its National Research Programme. In this project, the faculty cooperates with the Centre for Economic Studies in Prague and the National Observatory for Employment and Education in Prague. The research centre project will be completed in 2009. Its task is to analyze the factors and elements of competitiveness of the Czech economy in the context of meeting the targets of the Lisbon Strategy. Special emphasis is placed on examin-





ing the specific features of countries undergoing transformation in the process of economic and technological advancement, and on identifying the implications of existing developmental trends for future politico-economic policy. The goal of the project is to create sound analytical materials for decision-making by politico-economic and economic bodies, thus supporting the successful transformation of the Czech Republic toward an information-based economy.

Faculty of Informatics

In March 2005, three completed long-term research programmes were defended very successfully before the review board. In 2005 the faculty began implementation of a new long-term research programme on “Highly Parallel and Distributed Computer Systems”; the faculty also cooperated with the Faculty of Science in a long-term research programme on “Dynamic Geovisualization in Crisis Management”. In addition to its long-term research programmes, the faculty is also co-principal investigator in the 1M Research Centre “Institute of Theoretical Informatics” as well as in two basic research centres: the “Centre for Computer Linguistics” and “Dynamics and Organization of Chromosomes During the Cell Cycle, Normal and Pathological”.

Faculty of Social Studies

In 2005 the faculty’s Institute for Comparative Political Research began work on its long-term research programme “Political Parties and Representation of Interests in Contemporary European Democracies”. It is composed of four working sections: Analysis of Czech politics after EU entry; Political parties and party systems (a multi-level perspective); The European dimension of political parties and political pluralism; Electoral systems and levels of government. Their common thread is the examination from a European comparative perspective of the role of political parties and other political actors entering the process of mediating and representing interests in a situation of multi-level governance. During 2005 the institute hosted three conferences: “Political Pluralism and Interests in Multi-level Systems – Theory and Approaches” (May); “The European Left at the Start of the 21st Century” (November); “Representation of the Interests of Minorities in the EU” (November). Research findings are published in monographs and periodicals. Part of the project was the founding of an electronic periodical European Electoral Studies (www.ispo.fss.muni.cz/evs).

In 2005 the long-term research programme “Reproduction and Integration of Society” was begun. The individual projects that fall under the programme strive to identify the significant factors and mechanisms of reproduction and integration of society, or social cohesion. Particular attention is devoted to the role of three institutions that are integrating factors in (post)modern society: (1) The family and its reproductive potential – including its potential for social reproduction

– and its capacity for internal solidarity; (2) The employment market and its potential as a mechanism for social inclusion, and the processes that work in the other direction to increase the risk of marginalization or social exclusion endangering active citizenship; and (3) The public policies of the modern state that are intended to support inclusion mechanisms on the labour market, in the family and in the community and to promote the principles of citizenship. Participating in the research programme are experienced researchers as well as students in the doctoral programmes of sociology, social policy and social work.

In 2005, a second long-term research programme was started, “Psychological and Social Characteristics of Children, Youth and the Family: Development of the personality at a time of change in modern society”. Its main focus is on long-term research on children and their families. This is a unique research project, one that is linked to the European project ESLPAC, coordinated by the University of Bristol. In 2005 a survey of 13-year-olds was completed. Special attention was paid to the perception of changes related to puberty, social and health risks, behaviour among peers, relations with parents and classmates and other topics. Other surveys were carried out in 2005 under the same programme, focusing for example on the psycho-social adaptation and personality of talented children, the school environment, the communication of young people in a virtual environment, the creation of gender identity and the perception and evaluation of the role of parents. Findings from all projects are regularly published and presented at international conferences and other specialized forums.

Institute of Computer Science

Work was begun in 2005 with the Faculty of Informatics on the joint long-term research programme “Highly Parallel and Distributed Computer Systems”. In it, ICS personnel are responsible for research in the area of grid systems, with special focus on monitoring the infrastructure. This cooperation was expanded in the second part of the year to include research in the area of distributed environments.

5. SPECIALIZED UNITS AND FACILITIES

One of the goals that the university set out to accomplish in 2005 was to take thorough advantage of its capacity for research and development. This has led to the concept of shared laboratories and the integrated use of specialized technical equipment and other material resources. There are a number of specialized units or individual facilities at the university. In the field of biomedical research, integration of specialized laboratories between the Faculties of Science and Medicine is assumed, especially at the university campus in Brno-Bohunice. There are already functioning integrated units at the Faculty of Informatics and the Institute of Computer Science. A unique specialized facility at the university is the reading room and publishing house for the blind, the responsibility of the Teiresias Centre for Students with Special Needs.

Faculty of Medicine

Cooperation of the Faculty of Medicine with the Faculty of Science includes sharing of the facilities at the former's Departments of Pharmacology and Histology, particularly electron cell and tissue microscopy, and spectral analysis of medicines.

Faculty of Science

In view of the experimental nature of the majority of research projects at the Faculty of Science, this faculty has the majority of the university's specialized units and facilities. Among the most important laboratories are:

- The Laboratory of Molecular Diagnostics of Microorganisms (electrophoretic separation of DNA molecules with high molecular mass; analysis of DNA genomes of microorganisms).
- The Molecular Cytogenesis Laboratory (research and diagnostics of specific chromosomal aberrations).
- The Functional Genomics and Proteomics Laboratory (analysis of biologically important molecules using the methods of functional genomics and proteomics); the equipment at the Biology Section laboratory is used by all of the departments collaborating with the biomedical departments, both within MU and externally.
- The laboratories of the National Centre for Biomolecular Research (NMR spectroscopy, computer chemistry and biology, molecular modelling, biomolecular interaction laboratory, biochemistry, molecular biology, enzyme kinetics, protein engineering) are being used to their capacity. New findings have been made in the three-dimensional structure of important biomolecules, especially selected proteins, sugars and fragments of nucleic acids. These observations have made it possible to obtain a more detailed understanding of the biological mechanisms of these substances in the context of their biological functions, and of how to influence them.
- A collection of specialized equipment for chemical research (shared by the departments

of the Chemistry Section). The laboratory facilities have permitted the synthesis of a great number of new organic and inorganic polycyclides and polyhydric compounds and the description of their chemical, spectroscopic and structural properties, along with the study of their chemical and photo-chemical reactions.

- Electron micro-probe (point chemical analysis of minerals and other materials, chemical dating of monazite); jointly owned with the Geological Service Prague
- Advanced technical equipment at the Plasma Physics and Plasma Sources Laboratory (diagnostics of plasma charges and specialized types of charges, thin-layer diagnostics).
- Fourier infrared spectrometer and ellipsometer and Ramanov FTIR (spectroscopy of advanced materials and nanostructures), used by faculty units and departments.
- RECETOX – EU Centre of Excellence for Environmental Chemistry and Ecotoxicology – laboratory for minute trace analysis of persistent toxic substances, and laboratory for the study of ecotoxicological effects of these materials on freely-living organisms.

Faculty of Education

In the village of Jedovnice in the Moravian Karst there is an integrated facility for field training that has proved to be an important part of the degree programmes for teachers of general subjects, as well as teacher training, conferences and various forms of field education for elementary and secondary schools in the Czech Republic.

The faculty is unique in having a 40 KW photovoltaic system that generates electrical energy through the direct conversion of the sun's rays by means of a solar generator composed of photovoltaic panels. The generated energy is fed into special converters and delivered directly into the faculty's electrical network. The purpose of the device is to produce electrical energy and thus improve the faculty's energy balance as well as save costs, since by law energy produced in this manner is subsidized. It also serves instructional purposes.

Faculty of Informatics

The Faculty of Informatics is responsible for the following unique facilities:

- Laboratory of Optical Microscopy (three-dimensional studies of the structure of genetic material), joint use with the Institute of Biophysics, ASCR.
- The Human Computer Interaction Laboratory (research on human-computer interfaces in in the area of immersed and non-immersed virtual reality systems), joint use in cooperation with the Faculty of Science.
- Laboratory of Advanced Networking Technologies (research and development on protocols and technologies for high-speed networks, environments for virtual interaction,



distributed and parallel systems and grids); joint facility with Institute of Computer Science and CESNET; used in international cooperation.

- Natural Language Processing Laboratory (research on computer linguistics and lexicography, development of instruments for text analysis and processing); corpus applications in particular used by MU and many Czech and foreign departments and institutions.
- Laboratory of Security and Applied Cryptography (systems for analysis of the security of chip cards); used in cooperation with the Brno University of Technology and the Czech National Security Bureau.

Institute of Computer Science

Specialized departments at this university institute include:

- Supercomputing Centre (part of national and international distributed computer environment – the GRID – solving of demanding computer tasks and the development of GRID middleware), used by MU and in collaboration with other universities and CESNET.
- MedDiMed Centre (collection, archiving, processing and distribution of medical image information by means of high-performance computer network), used by a network of Brno and outside-Brno hospital facilities for clinical practice and for teaching medicine at MU.

6. TARGETED RESEARCH

Through their activities in the fields of scholarship, research and development, the university's departments and other units attract significant financial resources in the form of institutional support for targeted research. In accordance with legal norms, this support serves to finance research activities in which students are involved. This is a contribution to the productive element of studies in the doctoral and Master's degree programmes.

Faculty of Law

Institutional funds for targeted research were used to finance a number of activities aimed at supporting academic activities by students in the Master's degree and doctoral programmes. Funds especially went to cover personal and studies-related expenses connected with the academic activities of students in doctoral degree programmes, the development of their international research contacts and student academic competitions. These funds were also used to cover operating costs for access to information and library services, costs related to the organization of academic conferences for doctoral students and costs connected with reviewers' reports for doctoral theses and the supervision of Master's theses. Access was obtained to the international journal databases Kluwer Law International and Oxford Journals Online. Resources also went to cover the costs of membership fees for personnel who teach doctoral students in academic associations aimed at research and development.

Faculty of Medicine

Institutional funds for targeted research were used to support research conducted with the involvement of students during the course of their Bachelor's and Master's studies in the form of seminar and independent work by the students, student research work and theses in non-medical fields. Independent specialized professional work by undergraduate students in General Medicine and Dentistry, which is part of the medical studies curriculum, emphasizes a creative approach by students towards research.

Faculty of Science

Institutional resources for specific research were used in activities directly related to the teaching of students, mainly in Master's and doctoral degree programmes. They partially served to pay salaries of academic personnel, as well as the faculty's operating costs relating to the aforesaid activities.

Faculty of Arts

Resources for targeted research at the Faculty of Arts were distributed in various areas of academic work related to Master's and doctoral studies in the individual disciplines. Funds were provided for joint research on the part university personnel and students working on research topics in the context of the implementation of long-term research programmes and special doctoral projects. Especially creative in this regard was research work by doctoral students in the areas of history and archaeology. In accordance with the directives of the Ministry of Education, institutional resources for specific research were used to cover the cost of work related to student activities – publication by students in specialized journals was supported; work spaces for doctoral students were equipped with new information technology and contemporary academic and specialized literature was purchased for doctoral studies libraries. Last but not least, these funds helped pay the costs of study stays by doctoral students at partner universities abroad.

Faculty of Education

Resources for specific research were used for the most part for the financing of two categories of faculty research projects, A (activities by Master's degree students) and B (projects carried out by doctoral students). There were many more proposals than the faculty could satisfy. Thus only 48 out of 60 projects could be supported, with an overall funding of 923,359 CZK (16 projects in category A, 32 in category B), and this despite the fact that the selection committee preferred to support as many projects as possible, albeit with decreased budgets, so that as many students as possible could get experience implementing

grants, both on academic and administrative levels. The experience thus gained is reflected later in higher success for project proposals with external providers. Other funds were used to pay the administrative and payroll costs of employees organizing and implementing research and development; honoraria were paid for evaluations of student projects and doctoral dissertation work, and funds were used to help equip workrooms for full-time doctoral students.

Faculty of Economics and Administration

Funds for targeted research were used mainly in implementing research projects in departments with significant involvement of students in doctoral studies programmes, who also took part in the publication of findings. Some of the resources were used to pay costs associated with the application of new research in teaching, which covered a range of areas including the writing of textbooks, instructional presentation and educational software.

Faculty of Informatics

In 2005 resources from institutional support for targeted research were used to cover personnel costs and expenses related to joint research conducted by academic personnel and students, especially for the support of joint research teams, for students' international research contacts, and for the application of research and development findings in teaching. Resources were further used

for the support of participation by students in student competitions, for the mobility of students in Master's and doctoral degree programmes, and to cover the costs of reviewer's reports of Master's and doctoral theses.

Faculty of Social Studies

Resources for targeted research were used to defray payroll costs for academic personnel who took part in the academic instruction of students in accredited degree programmes, to equip rooms for doctoral students (computers and software), to reward outstanding academic, research and other achievements, and to cover costs associated with scholarly publications and with reviewers' reports of Master's and doctoral theses.

Faculty of Sports Studies

Institutional funds aimed at specific research were used for research by doctoral students in the field of kinanthropology. Projects were carried out that tied into or related to doctoral theses. The topics were as follows: Physical fitness in the middle-aged and older population; Sedentary lifestyle in the CR and Great Britain; Diagnosis with the use of dynamometric surfaces; Theory and practice of sports gymnastics training centres; A multimedia approach to monitoring athletes and the work of the trainer; The influence of physical activity on the psychosocial condition of seniors; Motivation for the selection of sports activities in life.

7. RESEARCH IN STATISTICS

Table 1a Number of special research projects supported by Czech Ministry of Education in 2005

	LN	LA	LC	LZ	1N	1K	1M	1P	ME	OC	Total
FL	0	0	0	0	0	0	0	0	0	0	0
FM	0	0	0	1	0	0	1	1	0	0	3
FS	1	2	1	0	0	2	0	6	2	4	18
FA	0	0	2	0	3	0	0	0	0	0	5
FE	0	0	0	0	0	0	0	0	0	0	0
FEA	0	0	0	0	0	0	1	0	0	0	1
FI	0	1	2	0	0	1	0	0	0	0	4
FSS	1	0	0	0	0	1	0	1	0	0	3
FSpS	0	0	0	0	0	0	0	0	0	0	0
ICS	0	0	0	0	1	0	0	0	0	0	1
RMU	0	0	0	0	0	0	0	0	0	0	0
MU	2	3	5	1	4	4	2	8	2	4	35

Key:

LN – Research Centre 2001

LA – INGO

LC – Basic Research Centre

LZ – Programme for Support of Young Researchers

1N – Information Infrastructure Research

1K – Support for Young Researchers

1M – Research Centre 2005

1P – Regional and international cooperation in research

ME – Kontakt

OC – COST





Table 1b Total amount of special research funding provided by Czech Ministry of Education in 2005 (in thou. CZK)

	1M		LC		LA		1N		1K		ME		OC		Total	
	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.
FL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FM	18,631	1,386	0	0	0	0	0	0	224	0	0	0	1,300	100	20,155	1,486
FS	0	0	2,045	2,394	751	4,000	0	0	1,261	0	312	0	1,489	400	5,858	6,794
FA	0	0	470	160	0	0	4,592	0	495	0	0	0	0	0	5,557	160
FE	0	0	0	0	0	0	0	0	289	0	0	0	0	0	289	0
FEA	15,643	235	0	0	0	0	0	0	0	0	0	0	0	0	15,643	235
FI	0	0	2,691	335	512	0	0	0	221	0	50	0	0	0	3,474	335
FSS	0	0	0	0	0	0	0	0	355	0	218	0	0	0	573	0
FSpS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ICS	0	0	0	0	0	0	7,465	0	0	0	0	0	0	0	7,465	0
RMU	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	34,274	1,621	5,206	2,889	1,263	4,000	12,057	0	2,845	0	580	0	2,789	500	59,014	9,010

Key:

LN – Research Centre 2001

LA – INGO

LC – Basic Research Centre

LZ – Programme for Support of Young Researchers

1N – Information Infrastructure Research

1K – Support for Young Researchers

1M – Research Centre 2005

1P – Regional and international cooperation in research

ME – Kontakt

OC – COST

Table 2a Number of other special research projects in 2005

	GA CR	IGA	GA AV CR	RGA	Foreign	Total
FL	2	0	0	3	0	5
FM	19	32	1	0	3	55
FS	53	0	14	10	11	88
FA	43	0	6	3	2	54
FE	6	0	0	0	0	6
FEA	7	0	0	2	0	9
FI	5	0	1	2	3	11
FSS	17	0	0	2	4	23
FSpS	0	0	1	0	0	1
ICS	0	0	0	0	4	4
RMU	0	0	0	0	1	1
MU	152	32	23	22	28	257

Key:

GA ČR – Czech Science Foundation

IGA – Ministry of Health Internal Grant Agency

GA AV ČR – Grant Agency, Czech Academy of Sciences

RGA – Ministry grant agencies (Ministry of the Environment, Ministry of Labour and Social Affairs, Ministry of Agriculture, Ministry of Culture, Ministry for Regional Development, Ministry of Foreign Affairs, State Agency for Nuclear Security, National Security Office)

Table 2b Total funding for other special research projects in 2005 (in thou. CZK)

	GA CR		IGA		GA AV CR		RGA		Foreign		Total		Total non-foreign	
	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	INV	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.
FL	286	0	0	0	0	0	317	0	93	0	696	0	603	0
FM	9,229	0	21,274	0	1,514	0	369	0	762	0	33,148	0	32,386	0
FS	24,028	319	0	0	4,518	260	5,936	1,100	15,475	9	49,957	1,688	34,482	1,679
FA	10,867	0	0	0	2,049	0	2,735	67	0	0	15,651	67	15,651	67
FE	3,488	0	0	0	0	0	62	0	0	0	3,550	0	3,550	0
FEA	2,135	0	0	0	0	0	2,150	0	0	0	4,285	0	4,285	0
FI	5,737	0	0	0	9,302	320	624	240	1,957	0	17,620	560	15,663	560
FSS	5,187	0	0	0	0	0	3,536	54	1,733	0	10,456	54	8,723	54
FSpS	267	0	0	0	150	0	0	0	0	0	417	0	417	0
ICS	0	0	0	0	4,590	3,370	0	0	5,330	0	9,920	3,370	4,590	3,370
RMU	0	0	0	0	0	0	400	0	433	0	833	0	400	0
Total	61,224	319	21,274	0	22,123	3,950	16,129	1,461	25,783	9	146,533	5,739	120,750	5,730

Table 3 Institutional support from Czech Ministry of Education in 2005 (in thou. CZK)

	Long-term research programmes			Targeted research		Total	
	Number	Non-cap.	Cap.	Non-cap.	Cap.	Non-cap.	Cap.
FL	1	6,118	0	666	0	6,784	0
FM	2	31,040	6,354	22,281	0	53,321	6,354
FS	8	150,606	71,954	43,916	0	194,522	71,954
FA	2	18,801	2,564	11,509	0	30,310	2,564
FE	1	9,199	600	1,780	0	10,979	600
FEA	0	904	0	3,173	0	4,077	0
FI	1	11,316	1,900	6,684	0	18,000	1,900
FSS	3	26,587	550	9,211	0	35,798	550
FSpS	0	0	0	249	0	249	0
ICS	0	807	100	0	0	807	100
RMU	0	0	0	0	0	0	0
Total	18	255,378	84,022	99,469	0	354,847	84,022

Note: Some long-term research programmes are implemented in cooperation between faculties. The first column includes projects for which the faculty is the responsible official body. Statistics on financial resources represent the real amounts of funds that individual faculties gained as their share in implementing the projects.

Table 4a Total number of research projects in 2005, tables 1a, 2a, 3

	Special projects	Other projects	Long-term research programmes	Total
FL	0	5	0	5
FM	3	55	3	61
FS	18	88	18	124
FA	5	54	5	64
FE	0	6	0	6
FEA	1	9	1	11
FI	4	11	3	18
FSS	3	23	2	28
FSpS	0	1	0	1
ICS	1	4	1	6
RMU	0	1	0	1
MU	35	257	33	325

Table 4b Overall funding for research in 2005 (in thou. CZK), tables 1b, 2b, 3

	Long-term research programmes		Targeted research		Ministry of Education special projects		Other special projects				Total	
	Non-cap.	Cap.	NEINV	Cap.	NEINV	Cap.	CR		Foreign		Non-cap.	Cap.
FL	6,118	0	666	0	0	0	603	0	93	0	7,480	0
FM	31,040	6,354	22,281	0	20,155	1,486	32,386	0	762	0	106,624	7,840
FS	150,606	71,954	43,916	0	5,858	6,794	34,482	1679	15475	9	250,337	80,436
FA	18,801	2,564	11,509	0	5,557	160	15,651	67	0	0	51,518	2,791
FE	9,199	600	1,780	0	289	0	3,550	0	0	0	14,818	600
FEA	904	0	3,173	0	15,643	235	4,285	0	0	0	24,005	235
FI	11,316	1,900	6,684	0	3,474	335	15,663	560	1957	0	39,094	2,795
FSS	26,587	550	9,211	0	573	0	8,723	54	1733	0	46,827	604
FSpS	0	0	249	0	0	0	417	0	0	0	666	0
ICS	807	100	0	0	7,465	0	4,590	3370	5330	0	18,192	3,470
RMU	0	0	0	0	0	0	400	0	433	0	833	0
Total	255,378	84,022	99,469	0	59,014	9,010	120,750	5730	25,783	9	560,394	98,771





Table 5 Funding for development projects in 2005
(in thou. CZK)

	FRVŠ			Transformation and Development Programmes		
	Number	Non-cap.	Cap.	Number	Non-cap.	Cap.
FL	1	95	0	1	2,115	0
FM	13	970	5,365	4	5,532	2,715
FS	56	6353	1,540	3	5,873	1,057
FA	19	1392	275	1	7,750	0
FE	4	347	0	8	9,322	0
FEA	0	0	0	2	4,212	200
FI	4	300	0	0	1,984	1,150
FSS	7	466	0	3	8,484	0
FSpS	2	257	0	1	2,760	260
SPSSN	0	0	0	1	4,880	300
VPC	1	248	0	0	967	0
ICS	1	0	1,709	4	5,711	17,221
LC	0	0	0	0	1,387	0
OIS	0	0	0	2	3,400	0
RMU	2	244	0	6	1,639	6,000
Total	110	10,672	8,889	36	66,016	28,903

Key: FRVŠ – Higher Education Development Fund
SPSSN – Support Centre for Students with Special Needs
VPC – In-service Training Centre

Table 6 Participation of MU in Higher Education Development Fund

Topic area	Number of projects	Funding obtained (in thou. CZK)		
		Cap.	Non-cap.	Total
A	9	8,889	0	8,889
B	3	0	453	453
C	1	0	244	244
E	-	-	-	-
F	37	0	4,043	4,043
G	60	0	5,932	5,932
Total	110	8,889	10,672	19,561

Table 7 Participation of MU in long-term research programmes

Title	Funding 2005 ^{*)} (in thou. CZK)
Early diagnosis and treatment of cardiovascular diseases	13,705
Internal organization and neurobiological mechanisms of functional CNS systems	21,841
European context of the development of Czech law after 2004	6,118
Psychological and social characteristics of children, young people and families, development of personalities during an era of change in modern society společnosti	10,340
Political parties and representation of interests in contemporary European democracies	6,185
Reproduction and integration of society	10,612
Mathematical structures and their physical application	10,752
Physical and chemical properties of advanced materials and structures	14,893
Study and application of plasma-chemical reaction in non-isothermal, low-temperature plasma, and its interaction with the surface of solid substances	15,579
Interaction between chemical substances, environment, and biological systems, and their effect on a global, regional, and local scale (INCHEMBIOL)	59,037
Proteins in metabolism and when interacting with organisms with their environment	34,712
Molecular essence of cell and tissue regulation	43,819
Diversity of biota societies and populations: analysis and variability over space and time	29,192
Dynamic geo-visualization in crisis management	13,732
Highly parallel and distributed computer systems	13,598
School and health for the 21 st century	9,038
Research centre for Central European history: sources, countries, culture	11,856
Interdisciplinary centre for research on social structures from prehistory to the high Middle Ages. Archaeological terrain and academic research, use of natural sciences, methodology and informatics, protection of cultural heritage	14,391
Total funding from public sources	339,400

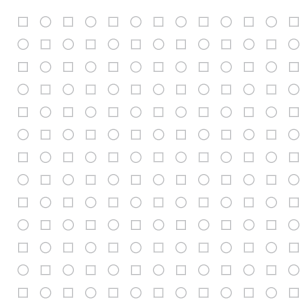
* Total of capital and non-capital funding

Table 8 Publications in 2005

Faculty	Monographs		Original work published		Original work published in journals		Other original work		Textbooks and course readers	Patents
	CR	abroad	CR	abroad	CR	abroad	CR	abroad		
FL	38	0	88	3	88	2	10	1	33	0
FM	34	1	238	67	433	104	53	6	35	0
FS	35	7	364	292	255	227	67	15	33	2
FA	65	4	249	55	339	16	90	23	46	0
FE	83	3	286	30	141	14	138	7	58	0
FEA	62	2	266	32	94	4	9	0	45	0
FI	14	3	94	76	47	42	16	3	3	0
FSS	8	5	108	34	138	9	79	12	3	0
FSpS	7	0	62	3	17	1	1	0	5	0
Total	371	26	1,773	597	1,577	421	467	67	261	2

Table 9 Recognition by the academic community in 2005

Faculty	Memberships on boards of grant agencies	International conferences organized	Awards for academic and artistic activities
FL	0	3	0
FM	33	29	23
FS	9	13	0
FA	19	27	75
FE	4	12	6
FEA	1	3	0
FI	2	8	1
FSS	9	15	0
FSpS	0	0	0
Total	77	110	105



8. HONOURS

Honorary Doctorates awarded by Masaryk University in Brno in 2005

Prof. PhDr. Lubomír Doležal, CSc., Professor, University of Toronto, literary theory

Prof. Jean-Marie Lehn, Professor, University Louis Pasteur, Strasbourg, chemistry

Prof. Alexander Schirger, Professor, Mayo Clinic in Rochester, Minnesota, USA, medicine

Prof. Virend Sommers, Professor, Mayo Clinic in Rochester, Minnesota, USA, medicine

Prof. Dr. Thomas E. Winkelbauer, Professor, Vienna University, history

Great Gold Medal

Georgi Parvanov, President, Republic of Bulgaria

Gold Medal

Lonny Glaser, Director, Janineum Foundation in Vienna

Prof. Jacqueline McGlade, Executive Director, European Environment Agency, Copenhagen, Denmark

Prof. MUDr. Libor Páč, CSc., Faculty of Medicine, MU

Prof. RNDr. Bedřich Moldan, CSc., Director, Charles University Environment Centre, Prague

Prof. Michael Seng, John Marshall Law School, Chicago

Rector's Award for a major creative accomplishment

JUDr. Petr Mrkývka, Ph.D. et. al., *Financial Law and Financial Administration*, Masaryk University, Brno, 2005

prof. PhDr. Rudolf Pečman, DrSc., *Vladimír Helfert*, Universitas Masarykiana Foundation, CERM, NAUMA, Brno 2003

Zbyněk Prokop, Use of enzyme catalysts in bio-organic synthesis, patent application, Brno 2005

Pavel Ševčík, Jana Skříčková, Vladimír Šrámek et al., *Lung Infections in Intensive Medicine*, Galén, Prague 2004.

Rector's Award for the best students in doctoral programmes

MUDr. Tomáš Freiburger, Ph.D., Faculty of Medicine

Mgr. Vlastislav Dohnal, Faculty of Informatics

Mgr. Petr Štědroň, Faculty of Arts

Mgr. Petra Hájková, Faculty of Science

Mgr. Jaromír Literák, Faculty of Science



Lubomír Doležel

One of the world's major literary scholars and a leading exponent of Czech literary theory, now living in Canada.

Until 1965 he worked at the Czechoslovak Academy of Sciences and Charles University, from 1968 at the University of Toronto as Professor of Slavic Studies.

In 2005 he was awarded an honorary doctorate by Masaryk University.



Studies and Teaching



1. ACCREDITED DEGREE PROGRAMMES

Degree programmes

In the academic year 2005/2006 Masaryk University offered a total of 150 degree programmes at nine faculties comprising 49 Bachelor's, 29 long-cycle Master's, 44 Master's and 28 doctoral programmes. Within these degree programmes there were 750 fields of study; of these, 236 Bachelor's, 156 long-cycle Master's, 227 Master's and 131 doctoral. During the academic year some new fields of study were accredited, and accreditation expanded for some of the existing fields of study. At the Faculty of Social Studies two fields of study are conducted in the English language, both at the Master's level – European Politics within the Political Science programme, and Sociology under the Sociology programme. The degree programmes of General Medicine and Stomatology at the Faculty of Medicine are also taught fully in the English language.

The Faculty of Economics and Administration offers the field of studies l'Administration Publique, a cooperative project between Masaryk University and the University of Rennes (France), which meets French university standards for highly-qualified specialists in public administration. Classes are taught by both Czech and French instructors. Studies are highly interdisciplinary in character, and make use of the know-how of the Institut de préparation à l'administration générale (IPAG) at the University of Rennes. Graduates in this field of studies gain a solid knowledge of economics and of the broader aspects of administration and law, with the accent on the European dimension of the processes taking place in public administration.

Also taught at the Faculty of Economics and Administration, under the Bachelor's programme Economic Policy and Administration, is a field of studies entitled European Economic, Legal and Cultural Studies. The Faculty of Law, the Faculty of Arts and the Faculty of Social Studies also take part in providing instruction for this field of studies.

MU continues to expand the range of its educational activities in the Vysočina Region, at the University Centre in Telč, where the

Faculty of Arts and the Faculty of Economics and Administration offer classes in several fields of study in the combined mode of studies.

In accordance with its internal regulations, the university regulates the course of studies in the degree programmes by requiring that at least 15 credits be gained in the previous semester, or 45 credits during the previous two semesters, for students to sign up for the following semester. The credit system at Masaryk University is structured according to ECTS principles.

In the context of offering accredited degree programmes, Masaryk University also provides recognition of foreign university education and qualification, in accordance with the Higher Education Law. In 2005 MU received 113 requests for recognition of foreign university education and qualification in Bachelor's, Master's and doctoral degree programmes. In 13 of these cases MU acknowledged its lack of competency with regard to the request, and in 14 cases the process was suspended. MU issued recognition of foreign university education and qualification in 52 cases, while 34 requests were denied (of these, six of those who submitted them took advantage of their legal right to appeal to the Ministry of Education, Youth and Sports).

In addition, in 2005 Masaryk University, in accordance with Law No. 172/1990, issued certificates of academic title to its graduates in 166 cases.

Admission procedures

In 2005 those interested in studies in the Bachelor's and Master's programmes at Masaryk University in Brno submitted a total of 55,848 applications to accredited degree programmes, 37,240 by electronic means. A total of 16,762 applicants were admitted, of which 12,914 enrolled.

Student aptitude tests as a way of verifying the qualifications of applicants to study at MU were applied in some form by most of the faculties. In certain cases some faculties also required entrance examinations for specific fields of study

The student aptitude test consisted of eight sub-tests examining specific mental processes: numerical (simplifying mathematical situations, the ability to operate quickly with numbers), analytical (seeking information in graphs and tables, the evaluation of logical conditions), symbolic, critical (the ability to detect errors of argument in a written text, finding order in masses of data), logical-verbal (vocabulary, comprehension of a text, differentiating between word meanings) as well as spatial imagination, the ability to reason and general knowledge. Each sub-test consisted of ten problems; the time limit was 80 minutes. The results of the SAT were expressed in percentiles; that is, percentage ranking among all those taking the test, where the given percentage represents the percent of those tested with lower scores.

Detailed results were provided to all applicants by way of the Internet. Applicants were able to check their tests at http://is.muni.cz/prihlaska/info_zkouska.pl by giving their application number and date of birth.

Studies for applicants with special needs

A total of 65 severely visually-impaired people are studying at Masaryk University in the academic year 2005/2006. Masaryk University is the only university in the Czech Republic where the number of severely visually-impaired students reflects the proportion of severely visually-impaired in the general population. For these students, 37 individual semester-long courses were provided as well as personal assistance and access to 650 academic titles in the specialized library. The capacity of the university's study room for the blind was expanded, as was lifelong education for the severely visually-impaired. The number of hearing-impaired students at Masaryk University increased in the academic year 2005/2006 from 20 to 33. Assistance services for these students were extended, including the area of sign-language translation, and language education for the deaf was also increased.

The number of physically-disadvantaged students at Masaryk University in the academic year 2005/2006 rose from 9 to 16. In 2005 a university dispatching service for personal assistance was introduced (including student self-help services during class hours, and trained assistants at MU dormitories), and other measures were adopted to improve the conditions for physically-disadvantaged students.

Since 2000 Masaryk University has organized entrance examinations for disadvantaged students to enable them to take the standard written test with the aid of information technology and alternative communications and perceptual methods.

In the admissions process for 2005/2006, applications to study at MU were submitted by 122 severely physically handicapped individuals (people with altered work abilities or ZTP [Health and Physically-Disadvantaged] card holders), who handed in a total of 180 applications to study with the request for an entrance examination with a special form of communication. Of these,

22 were for physically-handicapped people, 33 from severely hearing-impaired people (Czech sign language speakers), 43 from visually-impaired people (of these, 13 totally blind); other applicants had combined disadvantages or some other type of handicap (mild brain dysfunction). Roughly 10 percent of these applicants applied for preparatory courses organized by the Support Centre for Students with Special Needs. Following after the academic year 2004/2005, when more handicapped students applied to MU than ever before (the number doubled from 2003 to 2004), the 2005 admissions process saw another 50 percent increase (from 71 individuals submitting 119 applications).

Care for students in all of these categories is the responsibility of Masaryk University's Support Centre for Students with Special Needs.

Student evaluation of the quality of teaching

Again in both semesters in 2005, questionnaires were submitted allowing students to give their opinions on the quality of the courses they were attending. This is an important instrument in testing the quality of instruction, as integration into the school's information system allowed for a high percentage of respondents while preserving absolute anonymity and reliability. Detailed responses to individual courses and teachers serve as feedback to teachers and as one of the means of evaluating their performance.

Students were allowed to respond multiple times (over the course of the semester, in case their opinions changed), but the system, while maintaining anonymity, revealed how many persons actually responded. During the spring semester, 11,469 individuals responded to the course survey, or 44 percent of MU students, and in the fall semester 17,080, or 60 percent of the student body.

The electronic collection of responses through the MU Information System makes possible the easy processing and comparison of the necessary statistics. On a scale system, students rate the course as a whole, its individual teachers and five questions on difficulty, interest level, clarity of presentation, teaching methods and course literature. After the responses are gathered, a statistical overview is released. Students can also make verbal comments, which are only available to the teacher.





Student awards

Rector's Award for the best students in Master's degree programmes at MU

1. **Martin Klvaňa**, student in the field of General Biology, specialization Microbiology, Master's programme in Biology, Faculty of Science
2. **Kateřina Stará**, student in the field of Business Management, long-cycle Master's programme in Economics and Management, Faculty of Economics and Administration
3. **Slavomíra Ferenčuhová**, student in the field of Sociology, Master's programme in Sociology, Faculty of Social Studies.
4. **Zbyněk Pozdíšek**, student in the field of General Medicine, the Master's programme of General Medicine, Faculty of Medicine, and in the field of Economic Policy and Administration, Faculty of Economics and Administration.

Rector's Award for the best athlete at MU

Jana Pechanová, student in the field of Physical Education and Sport, Bachelor's programme of Physical Education and Sport, Faculty of Sports Studies

Table 1 Number of degree programmes and fields of study at MU

Fields of study	Field group code	Degree programmes/fields								Total	
		Ba.	I-c	Ma.	Ma.	PhD	Degree prog.	fields			
Natural sciences	11 to 18	16	60	8	30	14	59	8	39	46	188
Technical sciences	21 to 39										
Agriculture, forestry, veterinary med.	41 to 43										
Health, medical, pharmaceutical	51 to 53	3	10	3	3	2	3	2	25	10	41
Social sciences	61, 65, 67, 71–74	18	93	6	43	13	69	7	32	44	237
Economics	62	3	10	3	6	4	8	3	4	13	28
Law, legal and public affairs	68	1	7	1	1	0	0	1	14	3	22
Education, teaching, social work	75	5	40	6	65	8	74	4	5	23	184
Psychology	77	2	2	1	1	2	2	2	8	7	13
Culture and the arts	81, 82	1	14	1	7	1	12	1	4	4	37
Total	11 to 82	49	236	29	156	44	227	28	131	150	750

Table 2 Admissions procedure statistics

	Form of study	Applied	Admitted by Dean	Appealed	Admitted on appeal	Admitted by Rector	Total admitted	Enrolled
FL	Full-time	5,092	700	702	109	5	705	701
	Comb.	3,792	446	460	94	0	446	443
	Total	8,884	1,146	1,162	203	5	1,151	1,144
FM	Full-time	5,011	1,152	442	2	0	1,152	921
	Comb.							
	Total	5,011	1,152	442	2	0	1,152	921
FS	Full-time	3,411	1,869	309	45	2	1,871	1,206
	Comb.	106	101	0	0	0	101	93
	Total	3,517	1,970	309	45	2	1,972	1,299
FA	Full-time	8,492	3,727	685	10	0	3,727	2,666
	Comb.	1,028	539	60	2	0	539	475
	Total	9,520	4,266	745	12	0	4,266	3,141
FE	Full-time	4,930	1,937	982	242	2	1,939	1,234
	Comb.	2,729	693	423	78	6	699	655
	Total	7,659	2,630	1,405	320	8	2,638	1,889
FEA	Full-time	5,600	1,346	912	141	59	1,067	744
	Comb.	2,627	887	292	0	1	888	790
	Total	8,227	2,233	1,204	141	60	1,955	1,534
FI	Full-time	2,179	1,403	73	12	0	1,403	1,030
	Comb.		0	0	0	0		
	Total	2,179	1,403	73	12	0	1,403	1,030
FSS	Full-time	6,632	1,249	555	7	6	1,255	1,023
	Comb.	1,854	526	95	3	0	526	497
	Total	8,486	1,775	650	10	6	1,781	1,520
FSpS	Full-time	1,559	295	265	35	2	297	293
	Comb.	806	147	111	7	0	147	143
	Total	2,365	442	376	42	2	444	436
MU	Full-time	42,906	13,678	4,925	603	76	13,416	9,818
	Comb.	12,942	3,339	1,441	184	7	3,346	3,096
	Total	55,848	17,017	6,366	787	83	16,762	12,914
2004/2005		55,025	13,643	7,512	947	48	13,691	10,416
Increase		4,00	24,73	-15,26	-16,90	72,92	22,43	23,98

2. STUDENTS AND GRADUATES IN DEGREE PROGRAMMES

Table 3a Numbers of students by faculty – citizens of CR at MU as of 31. 10. 2005

Faculty	Regular degree studies														
	Full-time					Combined					Total				
	Ba.	I-c	Ma.	PhD	Total	Ba.	I-c	Ma.	PhD	Total	Ba.	I-c	Ma.	PhD	Total
FL	0	2,328	0	33	2,361	831	0	0	88	919	831	2,328	0	121	3,280
FM	479	1,341	95	238	2,153	134	0	0	413	547	613	1,341	95	651	2,700
FS	1,620	299	321	412	2,652	115	0	0	243	358	1,735	299	321	655	3,010
FA	3,636	934	545	250	5,365	995	72	55	370	1,492	4,631	1,006	600	620	6,857
FE	1,892	1,264	156	82	3,394	861	504	514	379	1,823	2,753	1,768	535	161	5,217
FEA	534	1,054	165	77	1,830	1,319	0	0	88	1,407	1,853	1,054	165	165	3,237
FI	1,231	24	296	61	1,612	0	0	0	12	12	1,231	24	296	73	1,624
FSS	1,239	0	491	157	1,887	826	0	121	99	1,046	2,065	0	612	256	2,933
FSpS	635	98	23	19	775	290	0	40	54	384	925	98	63	73	1,159
Total	11,266	7,342	2,092	1,329	22,029	5,371	576	595	1446	7,988	16637	7,918	2,687	2,775	30,017

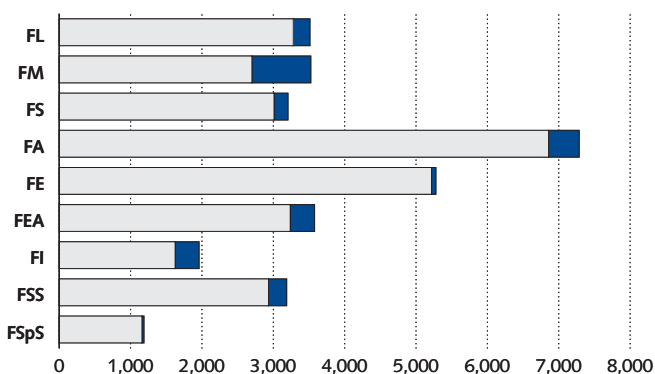



Table 3b Numbers of students by faculty – international students at MU as of 31. 10. 2005

Faculty	Regular degree studies														
	Full-time					Combined					Total				
	Ba.	I-c	Ma.	PhD	Total	Ba.	I-c	Ma.	PhD	Total	Ba.	I-c	Ma.	PhD	Total
FL	0	217	0	3	220	11	0	0	2	13	11	217	0	5	233
FM	32	714	2	50	798	9	0	0	18	27	41	714	2	68	825
FS	99	14	20	51	184	5	0	0	6	11	104	14	20	57	195
FA	232	81	40	14	367	26	3	2	31	62	258	84	42	45	429
FE	21	8	0	2	31	5	19	1	5	30	26	27	1	7	61
FEA	66	195	9	6	276	49	0	0	16	65	115	195	9	22	341
FI	290	3	38	2	333	0	0	0	2	2	290	3	38	4	335
FSS	120	0	63	14	197	45	0	0	12	57	165	0	63	26	254
FSpS	11	3	2	1	17	1	0	0	10	11	12	3	2	11	28
Total	871	1,235	174	143	2,423	151	22	3	102	278	1,022	1,257	177	245	2,701

Table 3c Numbers of students by faculty as of 31. 10. 2005

Faculty	Degree studies		Total
	CR citizens	International	
FL	3,280	233	3,513
FM	2,700	825	3,525
FS	3,010	195	3,205
FA	6,857	429	7,286
FE	5,217	61	5,278
FEA	3,237	341	3,578
FI	1,624	335	1,959
FSS	2,933	254	3,187
FSpS	1,159	28	1,187
Total	30,017	2,701	32,718


Table 3d Numbers of students by field of studies at MU

Fields of study	Field group code	Students in degree programmes				Total students
		Ba.	I-c	Ma.	PhD	
Natural sciences	11 to 18	3,360	336	673	789	5,158
Technical sciences	21 to 39	0	0	0	0	0
Agriculture, forestry, veterinary med.	41 to 43	0	0	0	0	0
Health, medical, pharmaceutical	51 to 53	654	2,055	97	719	3,525
Social sciences	61,65,67,71–74	6,546	686	1,078	735	9,045
Economics	62	1,968	1,249	174	187	3,578
Law, legal and public affairs	68	842	2,545	0	126	3,513
Education, teaching, social work	75	2,986	1,799	698	197	5,680
Psychology	77	221	481	79	147	928
Culture and the arts	81, 82	1,082	24	65	120	1,291
Total	11 to 82	17,659	9,175	2,864	3,020	32,718

Table 3e Numbers of students in Bachelor's and Master's full-time studies by faculty

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
FL	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)	3,387 (2,545)
FM	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)	2,806 (2,663)
FS	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)	2,493 (2,373)
FA	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)	6,621 (5,468)
FE	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)	5,110 (3,341)
FEA	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)	3,391 (2,023)
FI	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)	1,882 (1,882)
FSS	–	–	529 (529)	820 (745)	1,181 (912)	1,568 (1,068)	1,729 (1,107)	1,936 (1,196)	2,371 (1,493)	2,905 (1,913)
FSpS	–	–	–	–	–	374 (374)	684 (576)	874 (670)	1,109 (811)	1,103 (772)
MU	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)	29,698 (22,980)

Table 3f Number of students per teacher at MU

Faculty	1995/96	1996/97	1997/98	1998/99	1999/00	2000/01	2001/02	2002/03	2003/04	2004/05
FL	33.37	35.05	33.63	33.03	34.24	32.57	36.08	40.06	41.19	45.84
FM	6.33	5.86	5.89	6.41	6.74	7.07	8.32	8.32	9.27	12.06
FS	9.98	10.22	11.43	11.34	11.71	12.03	12.23	12.68	12.89	13.22
FA	14.38	19.24	18.49	18.29	20.36	19.03	22.65	29.96	39.93	33.60
FE	11.28	14.85	17.40	20.11	21.21	18.75	17.28	28.03	27.79	28.10
FEA	22.90	21.88	28.98	32.99	36.16	37.71	40.35	48.93	48.14	41.79
FI	19.93	25.92	29.41	35.10	30.01	30.83	39.82	38.58	34.74	35.86
FSS	–	–	–	28.95	29.83	35.46	44.22	39.96	36.53	44.07
FSpS	–	–	–	–	–	–	–	15.08	17.76	18.92
MU	11.79	13.57	14.63	15.66	16.62	16.28	18.25	22.49	23.56	24.19

Table 4a Numbers of regular degree students and graduates

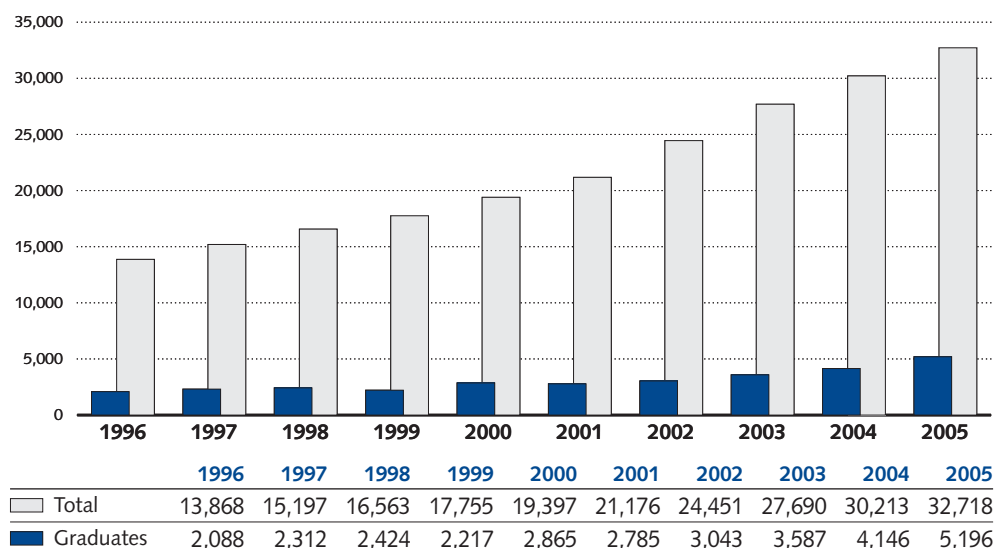




Table 4b MU graduates in 2005 by faculty

Faculty	Regular degree studies														
	Full-time					Combined					Total				
	Ba.	I-c	Ma.	PhD	Total	Ba.	I-c	Ma.	PhD	Total	Ba.	I-c	Ma.	PhD	Total
FL	0	382	0	1	383	216	0	0	12	228	216	382	0	13	611
FM	90	212	40	15	357	36	0	0	46	82	126	212	40	61	439
FS	311	222	24	25	582	0	0	1	53	54	311	222	25	78	636
FA	387	285	52	3	727	38	0	18	40	96	425	285	70	43	823
FE	179	370	1	3	553	298	85	279	11	673	477	455	280	14	1,226
FEA	55	208	58	1	322	190	0	0	7	197	245	208	58	8	519
FI	216	40	86	8	350	0	0	0	2	2	216	40	86	10	352
FSS	149	2	142	1	294	44	0	22	6	72	193	2	164	7	366
FSpS	91	61	0	0	152	71	0	0	1	72	162	61	0	1	224
Total	1,478	1,782	403	57	3,720	893	85	320	178	1,476	2,371	1,867	723	235	5,196

Table 4c Numbers of MU graduates in various fields of study

Fields of study	Field group code	Graduates in degree programmes					Total students
		Ba.	I-c	Ma.	Ma.	PhD	
Natural sciences	11 to 18	527	256	110	88		981
Technical sciences	21 to 39	–	–	–	–	–	–
Agriculture, forestry, veterinary med.	41 to 43	–	–	–	–	–	–
Health, medical, pharmaceutical	51 to 53	126	212	40	61		439
Social sciences	61,65,67,71–74	655	290	192	39		1,176
Economics	62	245	208	58	8		519
Law, legal and public affairs	68	216	382	0	13		611
Education, teaching, social work	75	511	465	284	15		1,275
Psychology	77	26	49	32	2		109
Culture and the arts	81, 82	65	5	7	9		86
Total	11 to 82	2,371	1,867	723	235		5,196

Table 4d Numbers of graduates by faculty

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
FL	318	397	450	411	485	397	426	466	557	611
FM	277	263	277	245	310	319	347	343	386	439
FS	296	318	334	327	355	291	387	417	593	636
FA	361	354	339	197	353	300	319	473	613	823
FE	663	631	614	684	839	885	895	852	850	1,226
FEA	126	309	344	246	337	319	290	453	453	519
FI	47	40	44	42	85	148	140	281	321	352
FSS	–	–	22	65	101	126	190	222	300	366
FSpS	–	–	–	–	–	–	49	80	73	224
MU	2,088	2,312	2,424	2,217	2,865	2,785	3,043	3,587	4,146	5,196

Table 5a Statistics on failure to complete studies at MU in 2005 by faculty

Faculty	Regular degree studies														
	Full-time					Combined					Total				
	Ba.	I-c	Ma.	PhD	Total.	Ba.	I-c	Ma.	PhD	Total.	Ba.	I-c	Ma.	PhD	Total.
FL	0	226	0	1	227	99	0	0	3	102	99	226	0	4	329
FM	53	251	9	15	328	7	0	0	17	24	60	251	9	32	352
FS	435	19	12	20	486	59	0	0	23	82	494	19	12	43	568
FA	531	34	21	7	593	175	5	5	61	246	706	39	26	68	839
FE	296	129	2	2	429	32	44	25	5	106	328	173	27	7	535
FEA	124	137	52	4	317	407	0	0	23	430	531	137	52	27	747
FI	392	4	25	6	427	0	0	0	3	3	392	4	25	9	430
FSS	150	0	43	5	198	169	0	10	17	196	319	0	53	22	394
FSpS	117	6	0	0	123	34	0	0	4	38	151	6	0	4	161
Total	2,098	806	164	60	3,128	982	49	40	156	1,227	3,080	855	204	216	4,355

Table 5b Statistics on failure to complete studies by MU students in various fields of study

Fields of study	Field group code	Failure to complete degree programme				Total students
		Ba.	I-c	Ma.	PhD	
Natural sciences	11 to 18	886	22	36	52	996
Technical sciences	21 to 39	–	–	–	–	–
Agriculture, forestry, veterinary med.	41 to 43	–	–	–	–	–
Health, medical, pharmaceutical	51 to 53	60	251	9	32	352
Social sciences	61,65,67,71–74	982	29	74	70	1,155
Economics	62	531	137	52	27	747
Law, legal and public affairs	68	99	226	0	4	329
Education, teaching, social work	75	352	174	30	8	564
Psychology	77	22	15	0	15	52
Culture and the arts	81, 82	148	1	3	8	160
Total	11 to 82	3,080	855	204	216	4,355





3. LIFELONG LEARNING

In the academic year 2005/2006 Masaryk University offered 131 lifelong learning programmes, 22 as part of accredited programmes of study. A total of 3,432 people took part in this form of university-level education, 428 within accredited degree programmes. During the year Masaryk University strengthened its internal organizational mechanisms for the development of lifelong learning, and took a number of measures, especially increasing the role of information technology in lifelong education at MU. The university continued to develop its University

of the Third Age programme (U3V), which came under the central coordination of the MU Rector's Office in 2005/2006, but is implemented by the MU faculties. U3V education is carried out through three interrelated lifelong learning programmes; in 2005/2006 970 people took part in them. U3V education last year also covered ten short-term courses on various topics, as well as other activities.

Table 6a Numbers of lifelong learning programmes

Fields of study	Field group code	Lifelong learning programmes in accredited degree programmes			Total
		Free of charge	Fee-paid	Other	
Natural sciences	11 to 18	–	–	13	13
Technical sciences	21 to 39	–	–	–	–
Agriculture, forestry, veterinary med.	41 to 43	–	–	–	–
Health, medical, pharmaceutical	51 to 53	–	10	–	10
Social sciences	61,65,67,71–74	–	6	18	24
Economics	62	–	–	15	15
Law, legal and public affairs	68	–	5	–	5
Education, teaching, social work	75	–	–	62	62
Psychology	77	–	1	–	1
Culture and the arts	81,82	–	–	1	1
Total	11 to 82	–	22	109	131

Table 6b Numbers of participants in lifelong learning

Fields of study	Field group code	Lifelong learning programmes in accredited degree programmes			Total
		Free of charge	Fee-paid	Other	
Natural sciences	11 to 18	–	–	165	165
Technical sciences	21 to 39	–	–	–	–
Agriculture, forestry, veterinary med.	41 to 43	–	–	–	–
Health, medical, pharmaceutical	51 to 53	–	54	–	54
Social sciences	61,65,67,71–74	–	11	573	573
Economics	62	–	–	437	437
Law, legal and public affairs	68	–	356	–	356
Education, teaching, social work	75	–	–	1,797	1,797
Psychology	77	–	7	–	7
Culture and the arts	81,82	–	–	32	32
Total	11 to 82	–	428	3,004	3,432

4. LANGUAGE CENTRE

The Language Centre is an all-university unit at Masaryk University in Brno that teaches foreign languages in non-philological fields of study at all faculties of MU.

At eight faculties, Language Centre divisions with their teachers and foreign instructors focus on the specifics of academic language in the individual fields of study and on cultivating language skills in the English, German, French, Spanish and Russian languages for students of both full-time and combined studies in Bachelor's, Master's and doctoral programmes. At the Language Centre's branches at the Faculties of Arts, Medicine and Law, specialized terminology in Latin is also taught. The Language Centre also provides courses in specialized Czech terminology for international students and, working in cooperation with selected faculty departments, organizes in which foreign languages are integrated with particular specialized subjects. In 2005 the Language Centre twice conducted the International TOEFL, including an intensive preparation course. An important part of the Language Centre is the multi-media language laboratory at the MU Rectorate, where university students and personnel have access to materials and learning programmes cultivating a general and specialized knowledge of foreign languages, including textbooks, dictionaries, workbooks, video programmes, CD-ROMs, DVDs and satellite programmes. The laboratory fosters individual, independent study above and beyond course requirements.

In 2005 Language Centre personnel took an active part in implementing the project "E-Learning

at MU: Multimedia and IT support for all forms of study at MU in Brno", for which it created a quantity of electronic materials for the teaching of specialized and academic language at the individual faculties.

The Language Centre is a member of the Czech and Slovak Association of University Teachers of Foreign Languages (CASAJC), and thus a member of the European Confederation of Language Centres in Higher Education (CercleS). The association's mission is the support of instruction and research in foreign languages at universities on the basis of the application and development of modern teaching methods. In 2005 cooperation between its members focused on implementation of the Council of Europe's Language Portfolio and foreign language testing of students.

In 2005 intensive collaboration continued between the Language Centre and the British Council, which has long provided important grant support. Selected teachers of English have now become national teacher trainers for ESP (English for Special Purposes). The British Council also initiated the founding of a new professional organization, AMATE (Association of Teacher Educators), in which the English teachers of the Language Centre took an active part.

At present the Language Centre has 64 employees.

5. UNIVERSITY COUNSELLING

In accordance with the Higher Education Act, Masaryk University offers counselling services to students and other persons. Organizationally this service is provided by the Counselling Centre, which became part of the MU Rector's office as of 1 July 2005. The Counselling Centre provides student and career counselling, psychological counselling and legal counselling.

Career counselling includes practice in communications and other skills; the centre also organizes contacts between students and potential employers through lectures by individuals from the employment sector.

Psychological counselling is provided in individual and group sessions, and the work of the psychologists themselves is subject to regular evaluation at special workshops.

Legal counselling covers a wide range of problems including students' employment relations, tax questions, social and health security and state social support.

Altogether 2,768 counselling contacts took place in 2005, of which 1,223 were individual meetings and 1,545 group activities. Psychological counselling accounted for 1,432 of these (541 individual and 891 group), career counselling a total of 1,174 (673 individual and 501 group), and legal counselling 162 (9 individual and 153 group).



Student Social Services

9

1 STUDENT ACCOMMODATION

In the academic year 2005/2006 the criteria by which residence beds were allocated were the same as in the previous year, with one exception: a reserve of 1500 beds was set aside for students enrolled for the first time in full-time Bachelor's, long-cycle Master's and Master's degree programmes at MU. For students in higher years, the traditional criteria applied – distance from home, social and health criteria and study results. Accommodation for second year to final-year students was divided into several phases. In the first round doctoral students, handicapped students and members of residence councils, international students and some students that fulfilled the given criteria were allocated residence space. In the second round, places not allocated to first year students were distributed according to the waiting list and the given criteria.

At the beginning of 2004/2005 university residence capacity was fully occupied. Spaces began to free up in the spring semester of 2005, with the average number of students in the residences decreasing slightly as some first-year students left. During the summer months, only residences not in need of repair were open for use. Some of the better residences were offered as hotel accommodation.

Because of changes in the official subsidy policy, from 1 September 2005 residence fees were raised by an average of 700 CZK, almost 200 CZK less than the previous subsidy from the Ministry of Education. Even so, the number of applicants for residence accommodation was basically unchanged from the previous year.

As of 1 October 2005 there were 7,034 recorded applicants for residence space. First-year students were allocated 2,276 beds. Of a total number of 4,181 beds allocated by move-in day, about 500 students did not take advantage of the accommodation. The free beds were then allotted according to the student waiting list on the basis of updated applications. The university's accommodation capacity was fully utilized during the winter semester. Around 190 international students coming through programmes administered by the Office for International Studies were accommodated.

Interest in residence accommodation on the part of international students is rising. At the start of 2005/2006, there were 970 students from Slovakia in university housing, and over 300 students from other countries.

Table 1 Residences at Masaryk University in Brno

Residence	Address	Number of beds as of 31. 12. 2005
Vinařská	Vinařská 5, 603 00 Brno	1,169
Tvrdého	Tvrdého 5/7, 602 00 Brno	358
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	479
Sladkého	Sladkého 13, 617 00 Brno	432
Lomená	Lomená 48, 617 00 Brno	168
VUT	Kolejní 2, 612 00 Brno	0
Total		4,181

Table 2 Numbers of applications and students accommodated as of 31. 12. 2005 (by faculty)

Faculty	Total applications	Accommodated	Of total number accommodated:		
			International students*	Doctoral	1 st -year
FL	851	442	4	8	188
FM	1,152	600	78	17	323
FS	981	490	16	82	221
FA	1,656	821	54	35	417
FE	571	230	1	9	90
FEA	712	336	5	25	129
FI	847	466	5	18	268
FSS	657	371	40	7	213
FSpS	148	73	3	1	25
Others	322	126	122	0	60
Total	7,897	3,955	328	202	1914

*not including Slovak citizens

Table 3 Accommodation capacity in 2000–2005

	2000/01	2001/02	2002/03	2003/04	2004/05	2005/06
Projected capacity	3,789	3,789	3,789	3,789	3,789	3,789
Actual capacity	4,317	4,298	4,287	4,287	4,291	4,294
Number of beds for students	4,211	4,192	4,174	4,175	4,179	4,181
Number of applications for accommodation	6,330	7,518	7,863	7,393	8,101	7,034
Total number of MU students in on-site studies	14,973	16,135	24,451	27,690	30,195	32,718
Beds for MU guests	106	106	106	106	168	170
Exchange students	80	80	80	80	135	190

Table 4 Overview of available accommodation capacity at MU

Acad. year	MU	VUT	Other	Total	Index
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
2005/2006	4,181	0	0	4,181	96.1

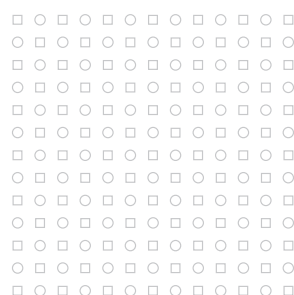
2. ACCOMMODATION GRANTS

In 2005 Masaryk University began for the first time to provide its students with accommodation grants, as part of the transformation of public support for student accommodation, which shifted from subsidies for university-owned accommodation to financial support allocated according to the institutions' own regulations for student grants. As criteria for eligibility, Masaryk University included in its Scholarship and Bursary Regulations criteria that were unchanged from those recommended by the Ministry of Education, Youth and Sport, which it also uses in distributing funding for housing support to public higher education institutions.

Eligibility conditions for accommodation grants at MU in 2005 during the period from 1 October to 31 December 2005, the first period for which these were awarded, were met by 14,561 students at MU, or 58.5% of all full-time MU students. Of those eligible, 12,421 students actually applied for an accommodation grant for the given period. After updating the information in the student registry through the Shared Student Information Register, and evaluating the submitted applications, accommodation grants were allocated to 11,322 students, with the remaining applications for accommodation aid being turned down as unqualified. Of the applicants refused,

24 students appealed; in 10 cases the information in the student registry of some other higher education institution was found to be incorrect, and the accommodation grant was awarded; in the remaining 14 cases the appeals were turned down. In addition, in 13 cases, already awarded accommodation grants were revoked in accordance with the MU Scholarship and Bursary Regulations owing to the students' failure to cooperate with MU when it came to the payment of the grant.

Altogether, Masaryk University paid out 19,281,366 CZK in accommodation grants in 2005 (for the last quarter of the year) from the subsidy it received for the purpose.



3. CATERING

Masaryk University's Accommodation and Catering Services provided catering services to students and employees in three canteens and six cafeterias offering warm meals and other food items.

Significant changes were made in MU's catering system at the beginning of 2005. Following a major reorganization of personnel, the introduction of new catering service software and the harmonization of service facilities, the previous restrictions relating to the selection of meals on offer were removed.

To improve the catering services and meet current hygiene regulations, including the monitoring of critical points (HCCP), counters at all catering facilities were re-equipped and re-organized. Cash registers are now found at the end of all catering lines, making possible the sale of

miscellaneous items; also, deposits in individual catering accounts can now be made at any time during opening hours.

Great emphasis has been placed in the catering facilities on the basics of healthy nutrition, and menus are designed with this in mind. These are posted on web pages 14 days in advance. All customers can order their meals through the Internet, at weekly or daily ordering points, or by selecting freely from the daily menu or buying meals without having made a previous order.

The daily menus offer up to twelve meals, with meat, meatless and low calorie. Menus are changed regularly. The sale of other related items at catering facilities was also expanded, as was the selection of items available.

Table 5 MU canteens

Canteen	Production capacity	Address	Cafeteria, buffet
Vinařská	2,000	Vinařská 5, 603 00 Brno	Faculty of Economics and Administration Vinařská, Kounicova 50, Morfo Buffet Faculty of Informatics Buffet
Moravské nám.	2,000	Moravské nám. 9, 602 00 Brno	Faculty of Medicine
Veveří	1,700	Veveří 70, 602 00 Brno	Veveří

Table 6 Numbers of meals served in MU canteens, incl. those for general public

Canteen	2001	2002	2003	2004	2005
Moravské nám.	497,241 53 %	491,785 51 %	488,217 52 %	434,158 43 %	372,197 41 %
Vinařská	258,383 28 %	216,312 23 %	155,516 16 %	208,807 21 %	322,396 36 %
Veveří	212,182 21 %	250,433 26 %	300,401 32 %	359,195 36 %	212,747 23 %
Total	967,806	958,530	944,134	1,002,160	907,340

4. STUDY-RELATED FEES

Masaryk University's efforts to improve the living conditions of students in 2005 were also reflected in its exercising of the right to waive, lower or allow for delayed payment of study-related fees in accordance with the Higher Education Act. In 2005 there were 1458 requests for the waiver, lowering or delayed payment of study-related fees. Waiver of fees was approved in 483 cases, lowering or postponement of payment in 718 cases.

These rulings were made according to the stipulations of the MU Statutes, which lay down the principles guiding final decisions, which are made by the Rector.

In 2005 Masaryk University undertook the following activities in the area of strategy and development:

- The university formulated and approved a Strategic Plan for teaching, research, development, artistic, and other creative activities for the period 2006 to 2010, with an update for 2006.
- Work continued in the direction of personnel and institutional support for administrative units focused on strategic projects, academic evaluation and the transfer of knowledge and technology.
- Construction of the Integrated Laboratory for Biomedical Technologies (ILBIT) at the Bohunice Campus, a state-of-the-art new facility for advanced research and knowledge transfer at the university, was completed and operations begun.
- Masaryk University was successful in obtaining support for projects within the framework of the structural funds (the “Development of Human Resources” Operational Programme).
- In cooperation with the South Moravia Region, other Brno universities and institutes of the Czech Academy of Sciences, the university began preparation of proposals designed to draw on funding for research and innovation from the structural funds in the period 2007–2013.

In accordance with the Higher Education Act, Masaryk University formulated its Strategic Plan for educational and academic, research, development, artistic and other creative activities for the period 2006 to 2010; this is the university’s basic strategic document. After the amendments process, the Strategic Plan was submitted to the Scientific Board and Board of Trustees for discussion, and approved by the Academic Senate. It thus became the starting point for the formulation of strategic plans by the faculties, which will be completed in the first quarter of 2006.

Following the organizational changes in 2005, the newly-established and staffed Office for Strategy and Development was given the task of strategic planning for the university, coordination of development projects and other projects beyond the boundaries of basic research or outside the area of research altogether (for example, innovation projects funded from the structural funds), and evaluation and quality control.

In 2005 Masaryk University was granted funding for a project entitled “Masaryk University Technology Transfer Office”, and the office thus created launched activities in the area of protection of intellectual property rights, technology transfer and support for academic entrepreneurship. During 2005 two patent applications were submitted by university units and one European patent was awarded. At the same time, the Technology Transfer Office began cooperating with those responsible for the innovations and the South Moravia Innovation Centre on their commercial utilization.





In cooperation with the South Moravia Region and the South Moravia Innovation Centre, the university took part in conceptual planning for the biotechnology incubator INBIT, which is being built at the campus in Brno-Bohunice with the South Moravia Region as the investor.

Masaryk University has begun the preparation of some large projects in the area of medicine and the natural sciences aimed at linking research and development with innovation in production and commercial services. The university is cooperating with other research institutions in Brno to draw on funds from the programmes planned by the European Union for 2007-2013. This creates a strategic partnership among key research institutes in the region that includes both the Brno universities and research institutes of the Czech Academy of Sciences.

University Centre Telč

- As of 1 January 2005, the MU Education Centre in Telč changed its name to the University Centre Telč and was incorporated into the organizational structure of MU as a special support facility. At the same time, it gained the status of an independent budgetary unit within the university. The main mission of the UCT is service and support for university and faculty activities, especially in the area of lifelong learning and combined studies and in the area of the organization of conferences and seminars. The UCT also makes its spaces available for commercial use by outside parties.
- Under programmes of combined Bachelor's studies and lifelong learning, 118 students studied in Telč in the spring semester (63 taking Faculty of Economics and Administration courses, 55 in Faculty of Arts courses); in the fall semester 140 students (140 FEA, 8 FA). During 2005 classrooms were furnished with new equipment (personal computers and data projectors), and a new sound system was installed in the lecture hall. Late in the year the existing technology for linking to the CESNET network was replaced. The new links take advantage of a coordinated network of frequencies and allow for a potential increase in band speed of up to 34 Mb/s.

Programme 233 330

Development of the Material-Technical Base



In order to fulfil its mission and its teaching and research goals, Masaryk University in Brno invested in 2005 in the development of its material-technical infrastructure. The development of the university's infrastructure was mainly realized through Programme 233 330, approved by Resolution No. 203 of the Government of the Czech Republic (27 February 2002) and amended by government resolution No. 986 of 20 July 2005. The development programme is divided into two sub-programmes, the reconstruction and modernization of the historical buildings and university facilities in the city of Brno (Sub-programme 233 333) and the construction of a modern university campus in Brno-Bohunice (Sub-programme 233 332). The programme was begun in 2002 and will be completed in 2008.

Renovation and modernization programme

The first part of Programme 233 330, "Development of the Material-Technical Base of Masaryk University", is the renovation and modernization of existing university facilities in the historical centre of Brno. The programme includes the extensive renovation of buildings and infrastructure, the reconstruction of classrooms, laboratories and other areas, and the modernization of laboratory equipment and of information and audio-visual technology.

Masaryk University Campus in Brno-Bohunice

The second part of the programme is a project unique among Czech universities: the construction of the new Masaryk University Campus in Brno-Bohunice. Under this sub-programme, the reconstruction was carried out of existing buildings situated near the Faculty Hospital in Bohunice in the locality of the future campus; these had been acquired by Masaryk University in the late 1990s. Also, construction was begun at the new campus of an extensive complex of buildings slated for the Faculty of Medicine, the biology and chemistry departments of the Faculty of Science, and the Faculty of Sports Studies. With construction of the Bohunice campus, Masaryk University will gain 50,000 m² of new

floor space: 20,000 m² for classrooms, 17,500 m² for laboratories and research, 5,000 m² of office space for academic personnel, and 2,000 m² for administration. Construction is being carried out on two complexes: the Integrated Laboratories for Biomedical Technologies (ILBIT) and the Academic Teaching and Research Complex (AVVA). The projected capacity of the new campus is 5,000 students and 500 academic and administrative personnel.

Another roughly 16 hectares of development land adjacent to the new campus will, in 2006-2015, be transformed into what will be virtually an entire new neighbourhood, with the necessary support infrastructure for students (in particular residences and other forms of accommodation, catering facilities, sports areas, commercial and social buildings, facilities for leisure-time activities, and so on) as well as space for business activities, especially of a developmental and innovative character. Among the new buildings in the vicinity will be the new home for the Moravian Archives.

Financing of programme 233 330

Programme 233 330 was approved with a budget of 6.425 billion CZK; of this, 5.1 billion is for Sub-programme 233 332 for the construction of the university campus at Brno-Bohunice and 1.325 billion CZK for Sub-programme 233 333 for the reconstruction and equipping of MU's historical buildings.

The main source of funding for the Programme is the state budget – 5,318.8 mil. CZK, comprised partly of funding covered by a loan in the amount of 95 mil. EUR made to the Czech Republic by the European Investment Bank (EIB) on the basis of an agreement signed 27 May 2002 and partly of funding from the Ministry of Education, Youth and Sport. Some of the funding from the state budget – 1.775 billion CZK – is treated as a loan that Masaryk University will repay from 2009 to 2028. In addition, MU is contributing 809.2 mil. CZK from its own resources, while funding from the City of Brno amounts to 297 mil. CZK.



Including the repayable financial assistance, Masaryk University's share in financing the project comes to 2,584.2 mil. CZK, or 40% of the overall cost of the programme.

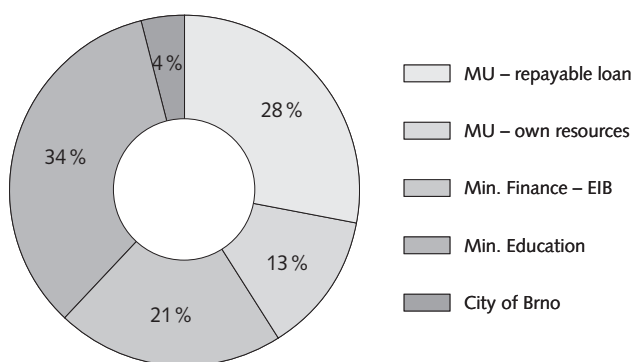
In 2005, 903.974 mil. CZK went to cover capital expenditures on Programme 233 330. Financing from the state budget amounted to 828.976 mil. CZK (20.084 mil. CZK in regular funding and 808.892 mil. CZK in special funding); 63.928 mil. CZK came from Masaryk University's own resources, and from the City of Brno 11.070 mil. CZK. A total of 596.714 mil. CZK of capital funding was spent on the implementation of Sub-programme 233 332 – construction of the new campus; of this, 562.850 mil. CZK came from the state budget, 22.974 mil. CZK from Masaryk University's own resources and 11.070 mil. CZK from the City of Brno. For the realization of Sub-programme 233 333 – renovation and modernization of MU's historical buildings – capital expenditures amounted to 307.260 mil. CZK, of which 266.126 mil. CZK came from the state budget and 41.134 mil. CZK from Masaryk University's own resources.

In addition, Masaryk University generated non-capital funding on its own in the amount of 50.582 mil. CZK for the realization of Programme 233 330; of this, 19.342 mil. CZK went to Sub-programme 233 33 and 31.240 mil. CZK to Sub-programme 233 333.

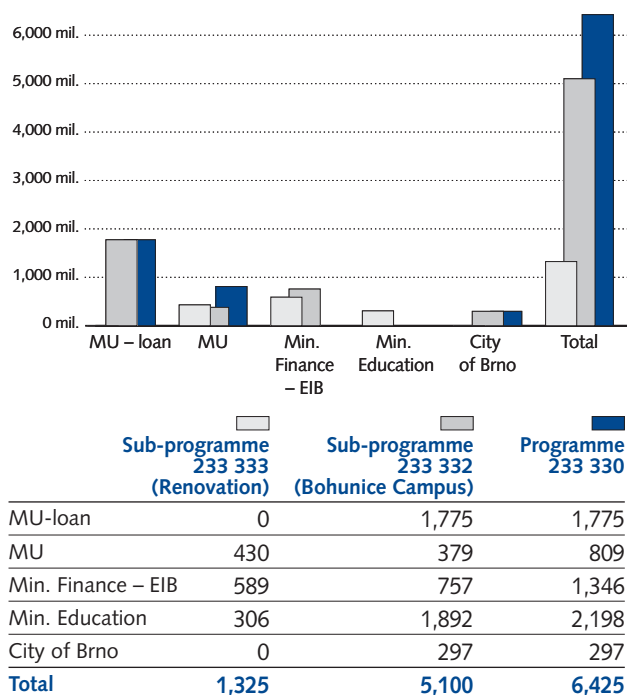
To sum up, Masaryk University's own financial input into the programme in 2005 came to 114.510 mil. CZK (capital expenditures 63.928 mil. CZK, non-capital expenditures 50.582 mil. CZK).

As of 31 December 2005, expenditures on the programme totalled 1,895.548 mil. CZK. Of this, 1,418.329 mil. CZK came from the state budget, 466.149 mil. CZK from MU's own funds and 11.70 mil. CZK from the City of Brno. The repayable component of the overall financial package has not yet been touched. So far, 18 mil. EUR of the EIB loan for implementation of Masaryk University's development programme has been transferred to the state budget of the Czech Republic. The entire amount expended on Sub-programme 233 332 as of 31 December 2005 was 934.708 mil. CZK, amounting to 18% of its total cost of 5,100.160 mil. CZK. In the case of Sub-programme 233 333, the total expenditures as of 31 December 2005 amounted to 960.840 mil. CZK, representing 73% of the total cost (1,324.873 mil. CZK).

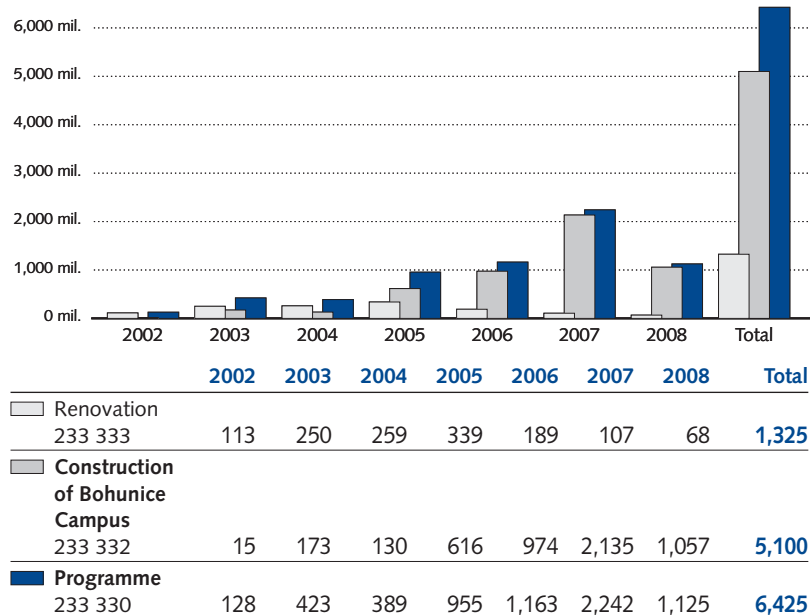
Graph 1 Structure of programme funding (in %)



Graph 2 Structure of programme funding (in mil. CZK)



Graph 3 Schedule for programme financing (in mil. CZK)



Sub-programme 233 332 – Construction of the MU campus in Brno-Bohunice

The first part of the sub-programme to be realized was the reconstruction of the existing building Morfo III, following reconstruction of Morfo I and II carried out earlier outside the framework of Programme 233 330. Reconstruction of Morfo III was completed in 2004 at a total cost of 170.2 mil. CZK.

Construction of the second part of the Bohunice Campus is being carried out in two stages. In 2004 construction began with the Integrated Laboratories for Biomedical Technologies (ILBIT). This facility was completed and went into operation in September 2005. The total cost of the project was 682,523 mil. CZK, of which 659,111 CZK represented capital investment and 23,412 CZK non-capital investment costs.

Preparation for the second construction project at the Bohunice Campus, the Academic Teaching and Research Complex (AVVA), fell behind schedule because of the legislative and macro-economic impact of an increase in the VAT rate for construction work from 5% to 19%, which resulted in much higher costs in this area in comparison with those when the programme was originally approved in early 2002. Masaryk University prepared a revised version of Programme 233 330, which was approved by Czech government resolution no. 986 of 20 July 2005.

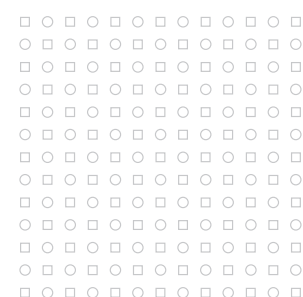
After the revised programme was approved by the Czech government, preparations for construction of the AVVA were resumed. Open tenders were invited for the Blue and Red Phases (infrastructure) of the AVVA, and contracts were signed at the beginning of December 2005. Completion of the Blue and Red Phases is scheduled for 2007. After review of terrain and technical plans related to the revision of the programme, project planning resumed for the Yellow and Green Phases of the AVVA construction, which are scheduled to begin in 2007.

All planned targets of the sub-programme were met in 2005.

Sub-programme 233 333 – Renovation and modernization of MU's historical buildings

In 2005, renovation of the building at Joštova 10 (begun in October 2003) was completed, as was reconstruction of the roof of the Faculty of Law (begun in October 2004), and work continued on the next phase of the plan for modernizing equipment and facilities (begun in 2002). Reconstruction also continued on the Faculty of Science's Kotlářská complex (begun in October 2004).

All planned targets of the sub-programme were met in 2005.



Financial Management and Internal Administration

12

This chapter provides an overview of the university's activity from the financial point of view. The main components in the area of financial management and internal administration in 2005 were as follows:

- The creation of regulations for and the introduction of a system of financial control at Masaryk University in response to Act no. 320/2001 Coll. on Financial Control in Public Administration and the accompanying Regulation no. 416/2004 Coll.
- Continuous audits and inspections, in close cooperation with an external auditor, aimed at reducing risks related to findings of external

audit bodies, as well as the establishment of an internal audit system

- The introduction of a project administration and operation system at Masaryk University, one of its main features being a clear delineation of the responsibilities of project managers
- The development of activities leading to a higher level of systemic integration of the MU financial information system
- The completion of the first stage of ILBIT construction, revision of Programme 233 330 ("Development of the Material-Technical Base of Masaryk University"), and commencement of another two stages of construction of the university campus in Brno-Bohunice

1. NON-CAPITAL BUDGET

- Total non-capital revenues of Masaryk University in 2005 amounted to 2,676 mil. CZK, representing an increase of 20% in comparison with 2004. Costs in 2005 amounted to 2,616 mil. CZK.
- The university's after-tax income in 2005 amounted to 59.205 mil. CZK, representing 2.2% of the university's total revenues. All faculties and university units reported a positive balance.
- The increase in the number of students, which grew from 30,213 (2004) to 32,718 (2005) – a rise of 8% – resulted in a boost in non-capital revenues. This was reflected in particular in the funding for teaching activities (category A), which rose by 8% in comparison with 2004.
- In 2005 the non-capital funding from the Ministry of Education, Youth and Sport amounted to 1,991 mil. CZK (an increase of 17% over 2004). Another 125 mil. CZK came from elsewhere in the state budget and from the budgets of local and regional government bodies (an increase of 34% compared with 2005), 55 mil. CZK from abroad (up 78%) and 19 mil. from CZK from other public sources (a 58% increase). The total contribution of public resources from the Czech Republic and from abroad amounted 2,190 mil. to CZK (up by 20% over 2004). Only 2.551 mil. CZK

of unspent non-capital funding was returned to source, i.e. 0.12 % of the overall total.

- In accordance with the provisions of an amendment to the Higher Education Act, the Targeted Funding Fund received targeted funding in the amount of 30.797 mil. CZK, which comprised 7.887 mil. CZK of Ministry of Education, Youth and Sport funding, 41,000 CZK from the other parts of the state budget, 19.887 mil. CZK from targeted funding from abroad and 2.922 mil. CZK from other sources. These sums must be used later for the original purpose for which they were granted.
- The non-capital investment funding provided by the Ministry of Education, Youth and Sport in 2005 for teaching activities and specific research amounted to 1,411 mil. CZK, representing 52.7% of the university's total revenues. This comprised 1,311.5 mil. CZK for teaching activities (an increase of 8%) and 99.5 mil. CZK for specific research (up 1%).
- Non-capital funding for research and development (normative and targeted) amounted to 560.513 mil. CZK (an increase of 55% over 2004), made up of 413.861 mil. CZK from the Ministry of Education, Youth and Sport (up 63%), 120.869 mil. CZK from other parts of the state budget and from the budgets of local and regional government bodies (an increase of

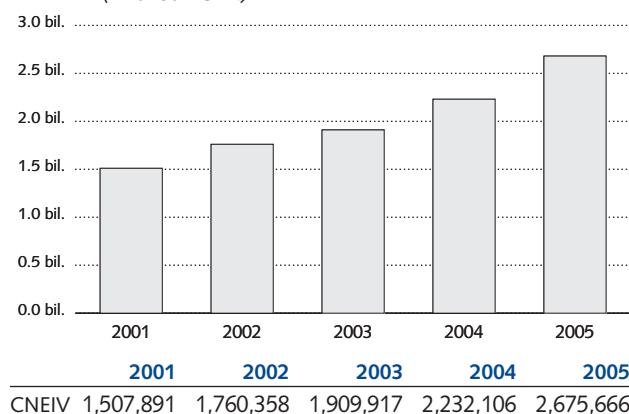
33%) and 25.783 mil. CZK of research funding from abroad (up 47 %). The share of non-capital funding for research and development in the total revenues of the university in 2005 amounted to 20.9%.

- Non-capital funding for teaching activities and operations (regular and special) were provided in the amount of 1,629.2 mil. CZK (an increase of 12% over 2004), comprising 1,577.1 mil. CZK from the Ministry of Education, Youth and Sport (up 9%), 3.9 mil. CZK from other parts of the state budget and from the budgets of local and regional government bodies (14% more in comparison with 2004), 29.6 mil. CZK from abroad (17% over 2004) and 18.6 mil. CZK in EU co-financing for projects.
- Non-capital funding for student accommodation and catering in 2005 amounted to 41,768 mil. CZK (a decrease of 20% in comparison with 2004); this represented 26.5% of the total revenues of the Accommodation and Catering Services. The state funding for student

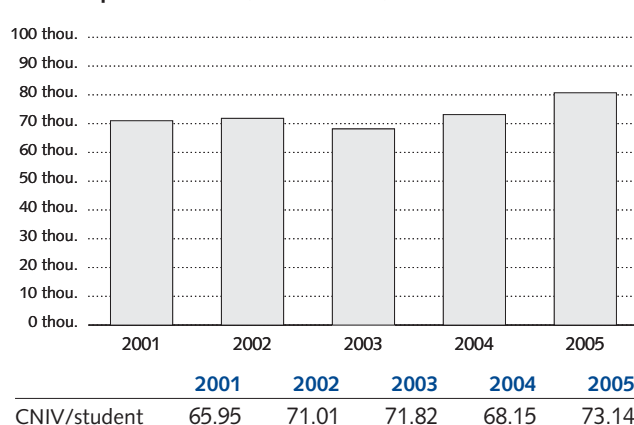
accommodation and catering was lower than in 2004 as a result of a change in the method of financing student accommodation in the residences. In previous years universities had been granted funding to finance their residences and catering facilities, but October 2005 marked a change to the provision of accommodation grants paid directly to the students themselves.

- Revenues of Masaryk University from non-public sources amounted to 495.726 mil. CZK (19% of the revenues, representing an increase over 2004 of 23%), 410.686 mil. CZK of this being represented by revenues from the university's principal activity (an increase of 30% over the previous year) and 85.04 mil. CZK from supplementary income-generating activities (2% up on 2004).
- The share of funding from abroad, 55.414 mil. CZK (an increase of 78% over 2004), amounted to 2% of total revenues and was made up of 29.631 CZK mil. for teaching activities and 25.783 mil. CZK for research and development.

Graph 1 Total non-capital revenue of Masaryk University
(in thou. CZK)



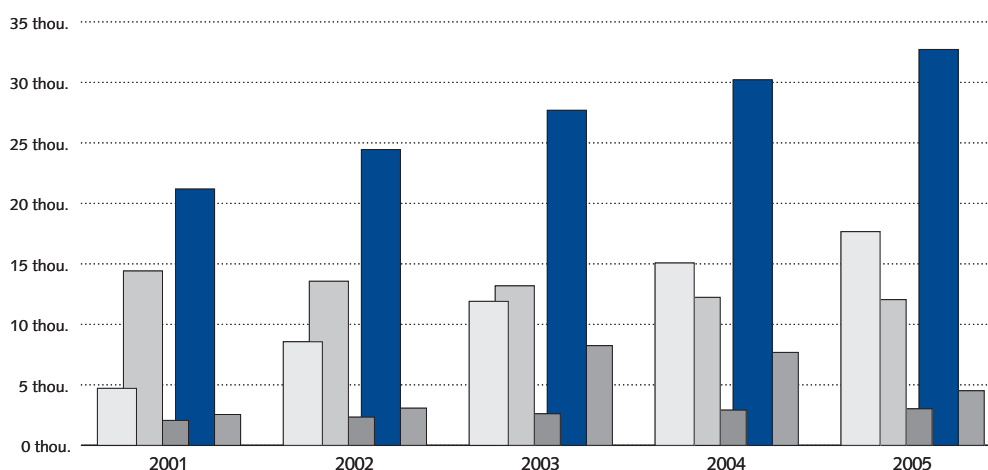
Graph 2 Total non-capital revenue of Masaryk University per student * (in thou. CZK)



* Bachelor's, Master's, doctoral and lifelong learning in accredited programmes

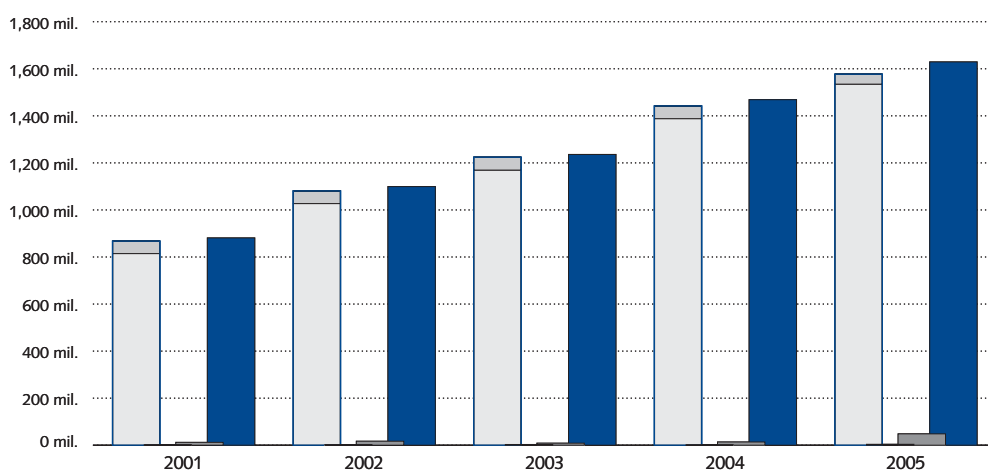


Graph 3 Numbers of students in Bachelor's, Master's and doctoral programmes, including international students and students in lifelong learning programmes as of 31.10.2005



	2001	2002	2003	2004	2005
Bachelor's	4,713	8,564	11,901	15,073	17,659
Master's	14,405	13,558	13,175	12,230	12,039
PhD	2,058	2,329	2,614	2,910	3,020
Total excluding lifelong studies	21,176	24,451	27,690	30,213	32,718
Lifelong studies	2,546	3,067	8,242	7,677	4,514

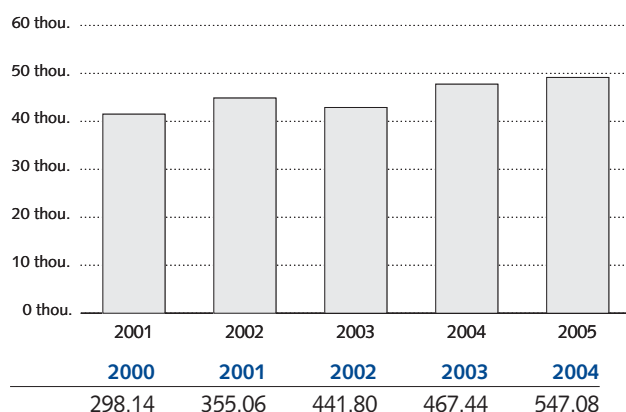
Graph 4 Non-capital funding for teaching activities (in thou. CZK)



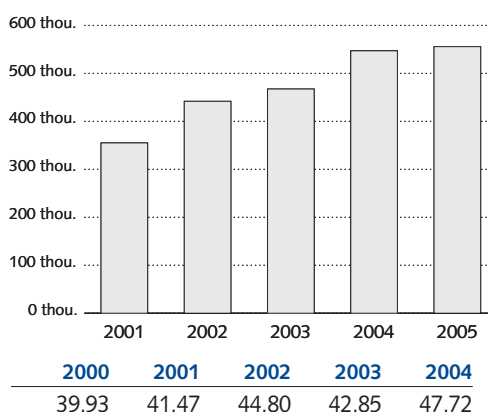
	2001	2002	2003	2004	2005
Total	881,121	1,099,258	1,235,860	1,468,685	1,629,259
Min. Education	867,568	1,080,840	1,224,201	1,442,017	1,577,118
Min. Education – teaching activities	814,581	1,027,120	1,169,432	1,388,100	1,534,797
Min. Education – accommodation and catering	52,349	53,297	54,129	52,352	41,768
Min. Education - other	638	423	640	1,565	553
Other state budget sources, local and regional governments	1,481	1,530	3,062	1,245	3,910
International and other ¹⁾	12,072	16,888	8,597	13,676	48,231

Note: 1) International and other: international + EU co-financing, OPRLZ (CR), EQUAL (estimate), MPO-CTT

Graph 5a Non-capital funding for teaching activities per employee (in thou. CZK)

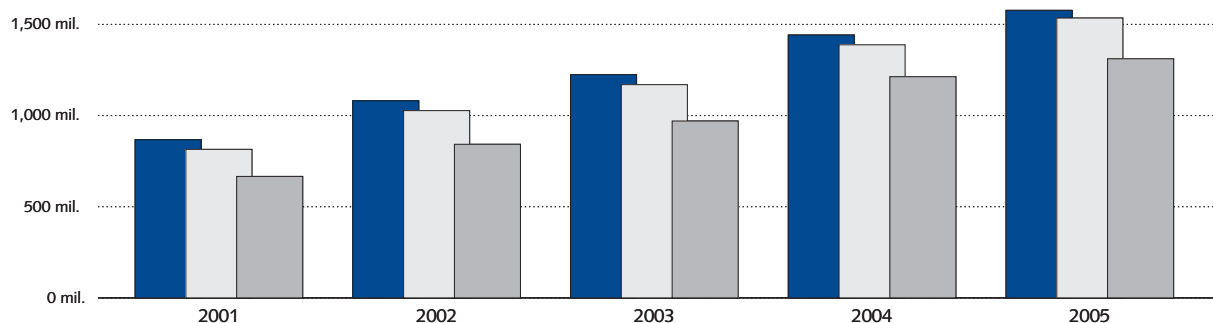


Graph 5b Non-capital funding for teaching activities per student (in thou. CZK)

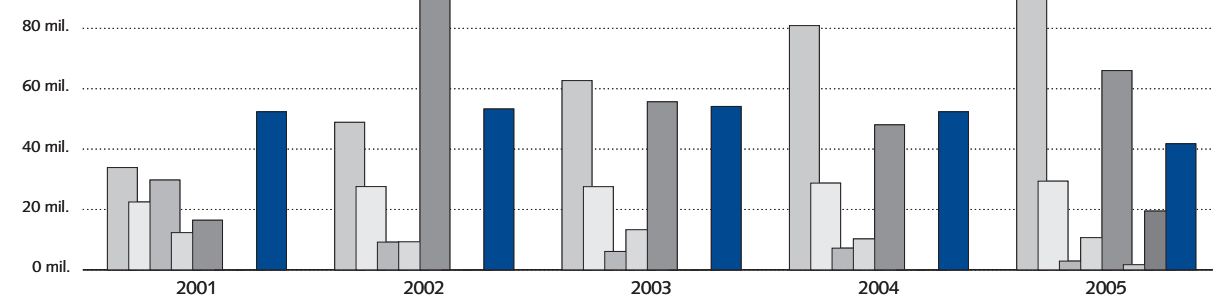


* Bachelor's, Master's, doctoral and accredited lifelong learning programmes

Graph 6a Non-capital funding for teaching activities from the Ministry of Education, Youth and Sports (in thou. CZK)



Graph 6b Non-capital funding for teaching activities from the Ministry of Education Youth and Sports by category (in thou. CZK)

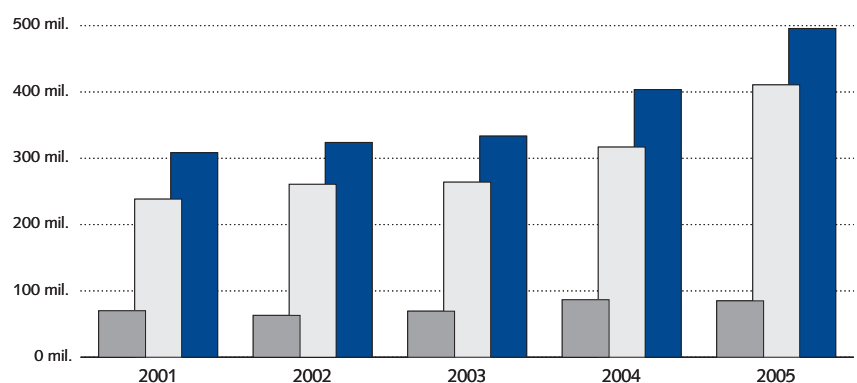


	2001	2002	2003	2004	2005
6a Min. Education	867,568	1,080,840	1,224,201	1,442,017	1,577,118
6a Min. Education – teaching activities	814,581	1,027,120	1,169,432	1,388,100	1,534,797
6a Category A	666,281	842,523	970,132	1,212,995	1,311,490
6b Category C – graduate scholarships	33,885	48,870	62,700	80,920	93,173
6b Category D – foreign studies, Socrates, etc.	22,479	27,582	27,557	28,729	29,375
6b Category F – Educational Policy Fund ¹⁾	29,748	9,183	6,086	7,185	2,894
6b Category G – Higher Education Development Fund (FRVŠ)	12,330	9,291	13,293	10,238	10,672
6b Category I – Transformation and Development Programmes ¹⁾	16,435	89,671	55,661	48,033	66,016
6b Categories M, E, H	33,423	–	34,003	–	1,707
6b Accommodation grants	–	–	–	–	19,470
6b Min. Education – accommodation and catering	52,349	53,297	54,129	52,352	41,768
Min. Education – other	638	423	640	1,565	553

Note: 1) Including non-capital funding via programme financing

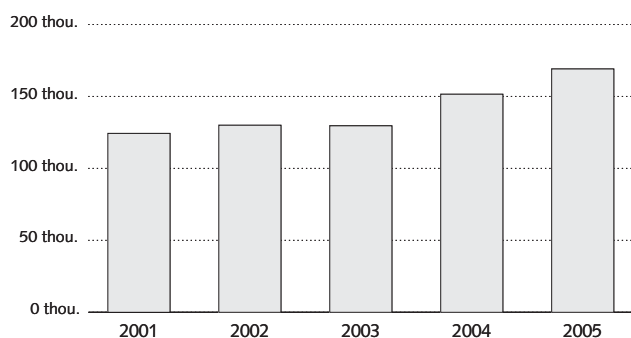


Graph 7a Supplementary and self-generated income of Masaryk University
(in thou. CZK)



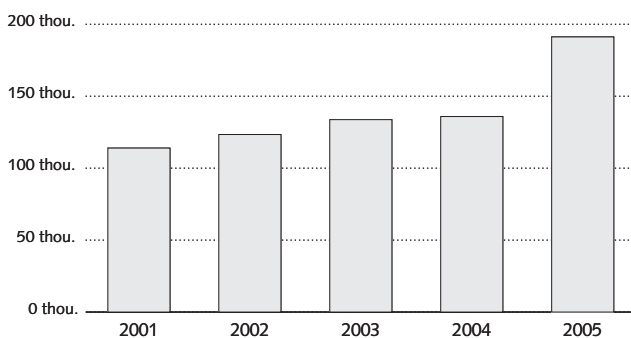
	2001	2002	2003	2004	2005
Supplementary income	70,109	63,120	69,460	86,713	85,040
Self-generated income	238,385	260,735	263,976	316,865	410,686
Total	308,495	323,855	333,436	403,578	495,726

Graph 7b Supplementary and self-generated income of Masaryk University per full-time equivalent employee (in thou. CZK)



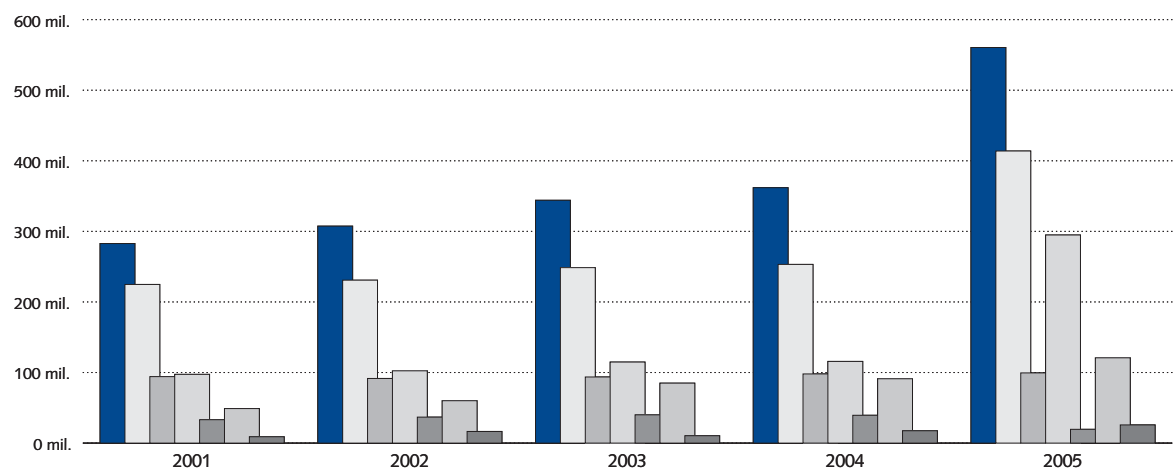
	2001	2002	2003	2004	2005
	112.46	124.31	129.98	129.59	151.53

Graph 8 Non-capital funding for research per full-time equivalent employee (in thou. CZK)



	2001	2002	2003	2004	2005
	93.28	113.94	123.38	133.72	135.88

Graph 9 Non-capital funding for research (in thou. CZK)



	2001	2002	2003	2004	2005
Total	282,765	307,422	344,053	361,898	560,513
Min. Education	224,786	230,850	248,614	253,183	413,861
Targeted research¹)	94,214	91,588	93,700	98,014	99,469
Long-term research projects and research centres²)	97,398	102,440	114,830	115,733	294,858
Other special funding	33,174	36,822	40,084	39,436	19,534
Other state budget sources, local and regional governments³)	48,938	60,071	84,951	91,192	120,869
Funding from abroad	9,041	16,501	10,488	17,523	25,783

Notes: 1) In 2000 creative activities, in 2001-2002 non-targeted research including funding for CESNET
2) LC, 1M

3) Including Association of Innovative Entrepreneurship funding for Kontakt

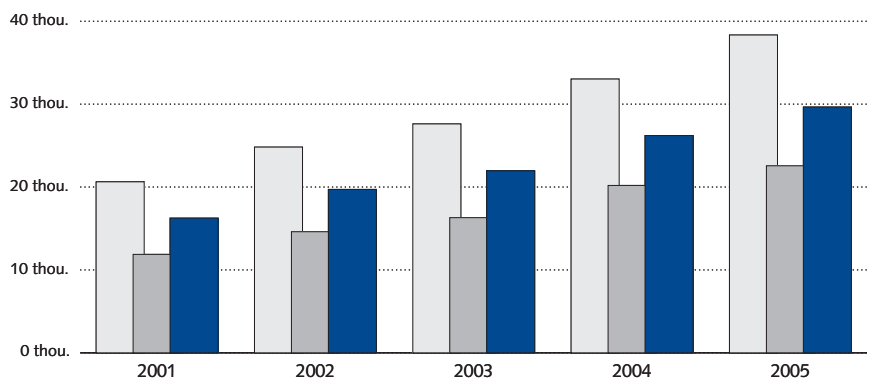
2. SALARIES AND EMPLOYEES

The most significant indicators are the total amount spent on salaries and wages from all sources as a share of total expenditures: in 2005, excluding social security and health insurance, these amounted to 1,102.2 mil. CZK, i.e. 42% of total non-capital expenditures, while including employer-paid social security contributions and health insurance premiums, the amount

was 1,472.7 mil. CZK, i.e. 56% of total non-capital expenditures.

The total number of full-time equivalent employees at Masaryk University in 2005 was 2,931.67 (an increase of 10% over 2004). Of these, 1318.12 were academic staff (up 6%) and 1,613.55 non-academic staff (up 14%).

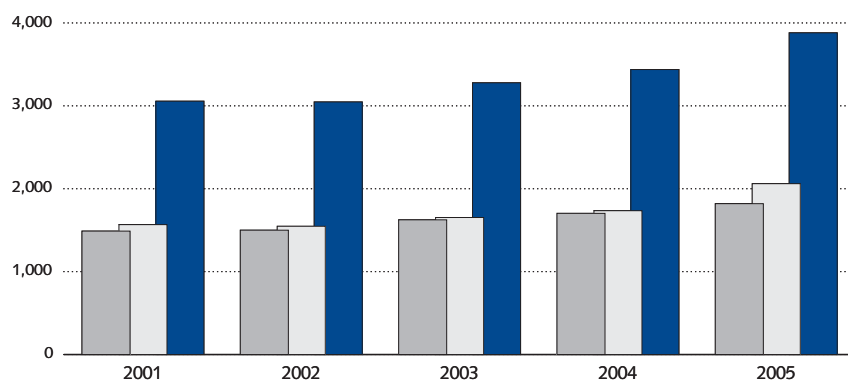
Graph 10 Mean salaries (excluding social security and health insurance) of MU academic and non-academic staff 2001–2005 (in CZK)



	2001	2002	2003	2004	2005
Academic staff	20,627	24,815	27,609	33,023	38,336
Non-academic staff	11,877	14,609	16,305	20,192	22,563
Total	16,252	19,712	21,957	26,209	29,653

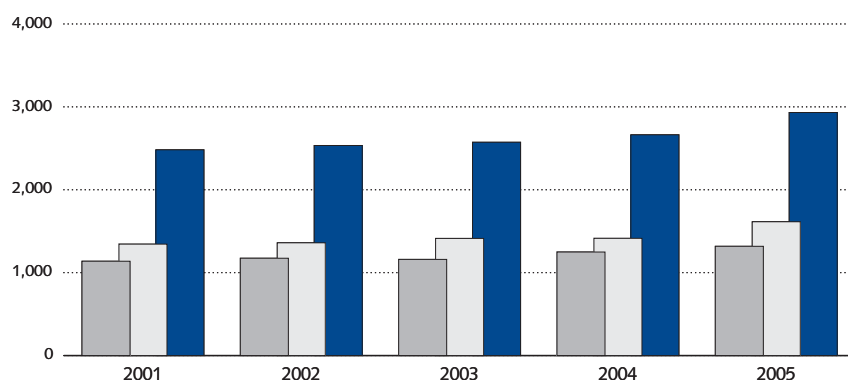


Graph 11a Number of Masaryk University employees 2001–2005



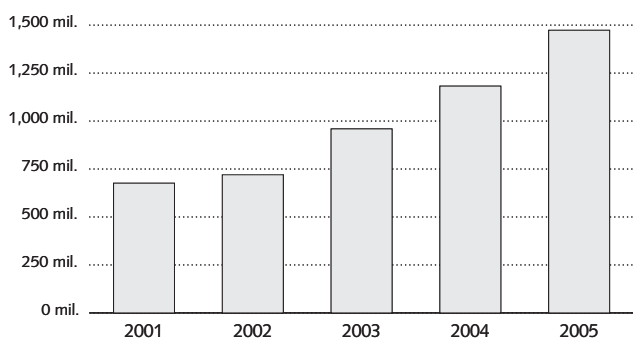
	2001	2002	2003	2004	2005
Academic staff	1,489	1,500	1,625	1,703	1,820
Non-academic staff	1,567	1,547	1,653	1,735	2,061
Total	3,056	3,047	3,278	3,438	3,881

Graph 11b Mean full-time equivalent MU employees 2001 – 2005



	2001	2002	2003	2004	2005
Academic staff	1,137.86	1,173.95	1,159.53	1,248.97	1,318.12
Non-academic staff	1,343.81	1,360.29	1,413.40	1,414.37	1,613.55
Total	2,481.67	2,534.24	2,572.93	2,663.35	2,931.67

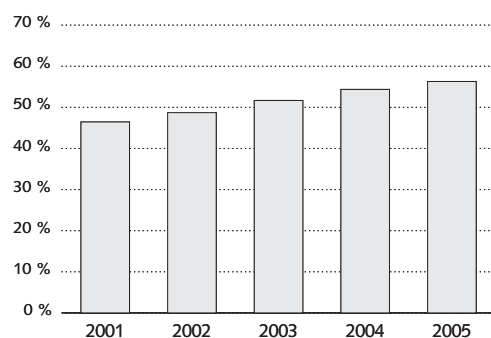
Graph 12a Salaries (including other forms of income) and social and health insurance* (in thou. CZK)



	2001	2002	2003	2004	2005
Salaries and insurance	675,713	719,575	959,322	1,182,058	1,472,747

* Including royalties (before 2003)

Graph 12b Share of salaries in MU non-capital expenditures (in %)



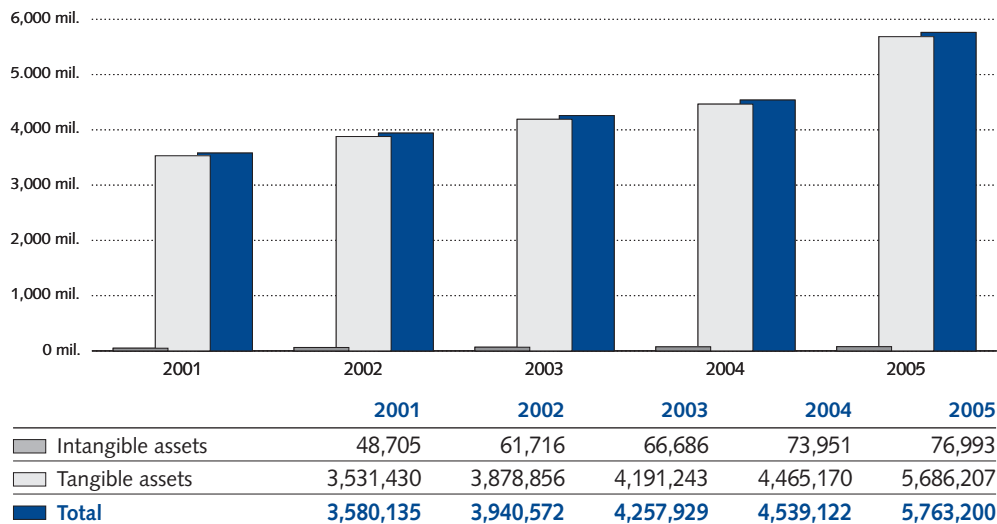
	2001	2002	2003	2004	2005
Share of salaries	46.44	48.71	51.67	54.36	56.29

3. ASSET MANAGEMENT

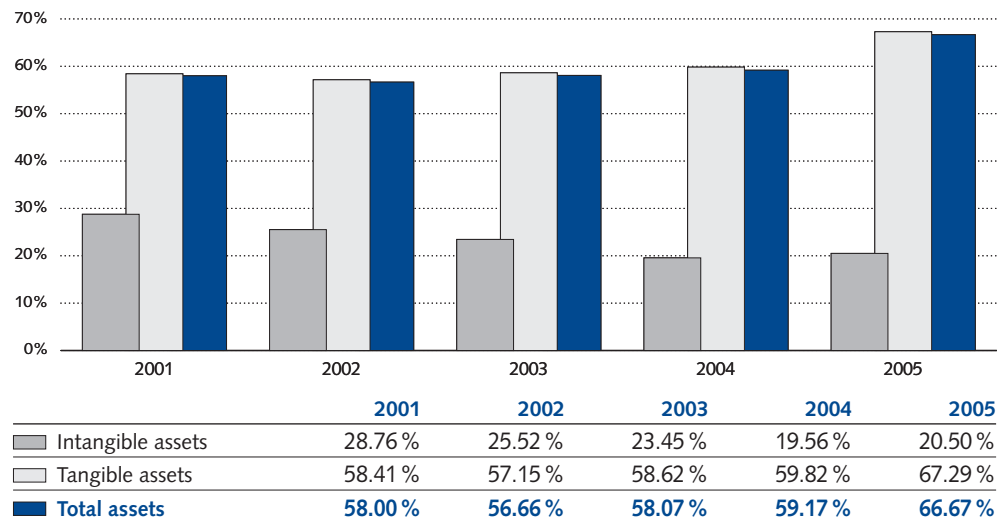
The inventory taken by Masaryk University in 2005 shows total assets with a purchase value of 5,763,200 thousand CZK (an increase of 27% over 2004), comprising long-term tangible assets worth 5,686,207 thousand CZK (up 27.3%) and long-term intangible assets worth 76,993 thousand CZK (up 4%).

Total depreciation amounted to 1,920,936 thousand CZK.

Graph 13 Intangible and tangible assets: purchase value (in thou. CZK)



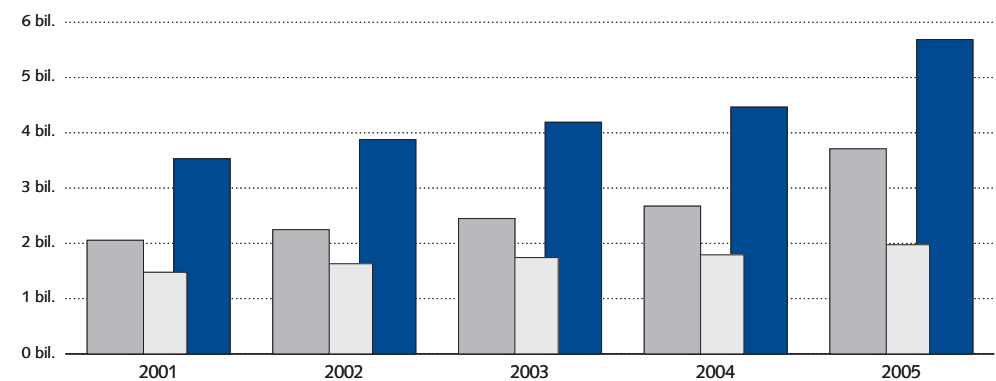
Graph 14 Intangible and tangible assets: depreciation *



* Share of asset value in relation to residual value / purchase value

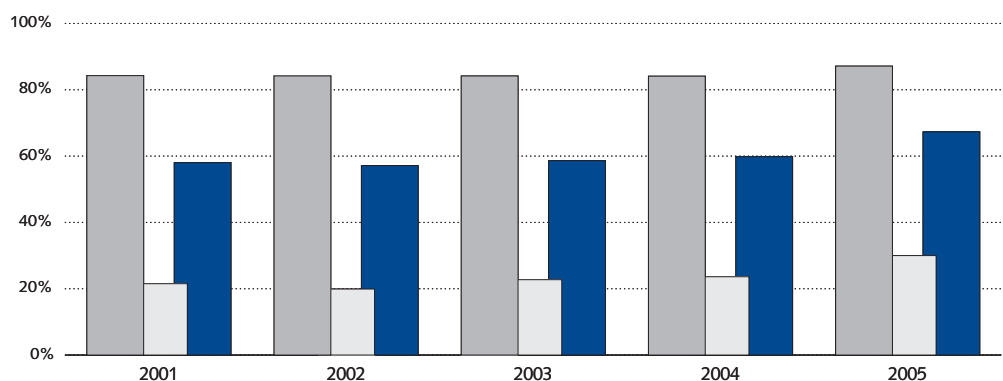


Graph 15 Real and movable assets: purchase value (in thou. CZK)



	2001	2002	2003	2004	2005
Real assets	2,055,431	2,247,823	2,448,799	2,672,857	3,711,253
Movable assets	1,475,999	1,631,033	1,742,444	1,792,313	1,974,954
Total	3,531,430	3,878,856	4,191,243	4,465,170	5,686,207

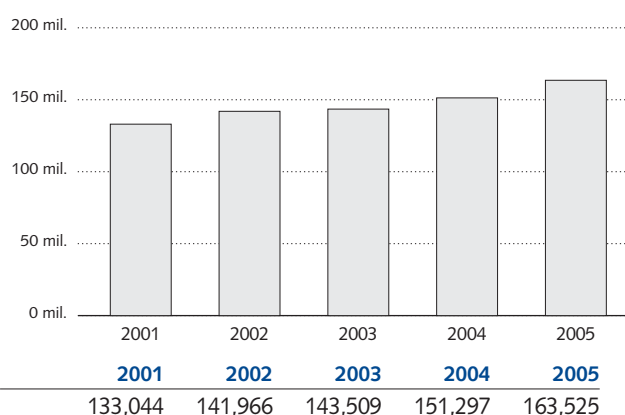
Graph 16 Real and movable assets: depreciation* (in %)



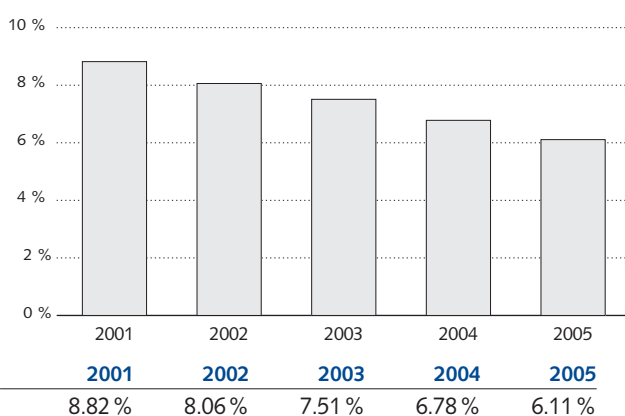
	2001	2002	2003	2004	2005
Real assets	84.27 %	84.18 %	84.16 %	84.10 %	87.14 %
Movable assets	21.52 %	19.91 %	22.73 %	23.62 %	30.00 %
Total assets	58.04 %	57.15 %	58.62 %	59.82 %	67.29 %

* Share of asset value in relation to residual value / purchase value

Graph 17a Total annual Masaryk University asset depreciation (in thou. CZK)



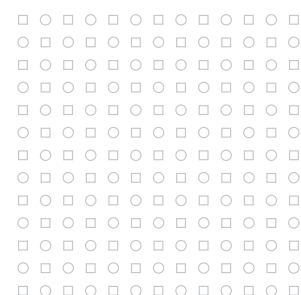
Graph 17b Total annual Masaryk University asset depreciation from total non-capital funding (in %)



4. FUNDS

Significant financial indicators also include the balances of funds created pursuant to the Higher Education Act, which obliges universities to create the following six funds: a fund for bonuses, a reserve fund, a capital assets regeneration fund (hereinafter FRIM), a scholarship and bursary fund, a fund for earmarked financial resources and a social fund. The total value of the individual funds as of 31 December 2005 amounted to 369.8 mil. CZK (an increase of 9% over the previous year). Balances in the indi-

vidual funds were as follows: 16 mil. CZK (fund for bonuses, up 30%); 96.3 mil. CZK (reserve fund, no increase); 206.8 mil. CZK (FRIM, down 3.7%); 19.9 mil. CZK (scholarship and bursary fund, up 27.6%). In 2005 a fund for earmarked financial resources was created for the first time pursuant to the amended Higher Education Act; it amounted to 30.7 mil. CZK. A social fund was not created.

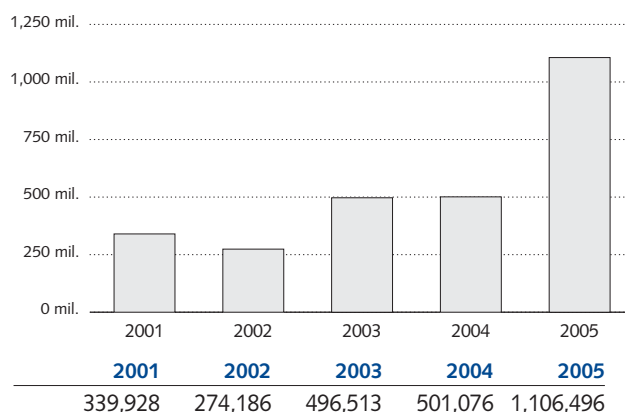


5. CAPITAL BUDGET

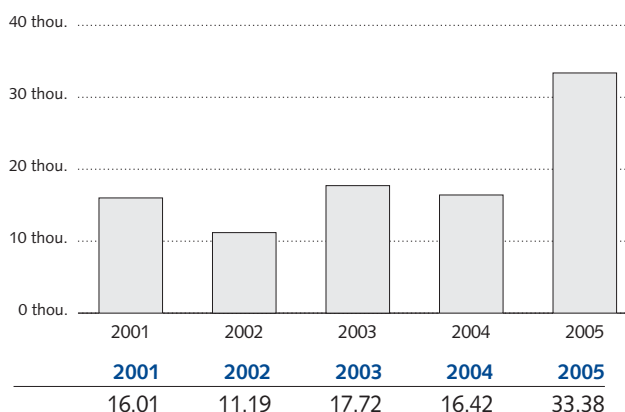
Total capital expenditures by Masaryk University in 2005 (excluding funding returned as not having been spent) amounted to 1,106.8 mil. CZK, comprising 987.1 mil. CZK capital-investment funding and 119.7 mil. CZK from the MU FRIM. Capital expenditures in connection with Programme 233 330 amounted to 840.046 mil. CZK from various funding sources (including 11.07 mil. CZK from the City

of Brno) and 63,928 mil. CZK from MU FRIM. Outside the programme, including teaching and research projects, capital expenditures amounted to 147.1 mil. CZK from capital-investment funding and 55.7 mil. CZK from the MU FRIM. For detailed information about the Programme for the Development of the Material-Technical Base of Masaryk University see Chapter 11.

Graph 18a Total capital-investment expenditures at Masaryk University (in thou. CZK)



Graf 18b Total capital-investment expenditures per Masaryk University student (in thou. CZK)



6. CONCLUSION

The financial statement of Masaryk University for 2005 was audited and the auditor's declaration was "without reservation". For the auditor's declaration see the appendix to the Masaryk University Annual Report on Financial Activities for 2005.



Alexander Schirger

Medical doctor and scientist of Czech origin, consultant in internal medicine and cardiovascular diseases.

His field is the diagnosis and treatment of hypertension; since 1959 he has been Professor of Medicine in the Hypertension Division of the Mayo Clinic in Minnesota, USA, and the Mayo Medical School.

In 2005 he received an honorary doctorate from Masaryk University.

International Activities

13

OFFICE FOR INTERNATIONAL STUDIES

As an office whose competency is university-wide, the Office for International Studies (OIS) coordinates and methodologically directs the activities of MU in the area of international activities. As in previous years,

the OIS conducted activities in five main areas: international cooperation and mobility, foreign-language programmes, the presentation of MU abroad, activities within international university networks and other activities.

1. INTERNATIONAL COOPERATION AND MOBILITY

SOCRATES/ERASMUS

The main programme for international mobility at MU is SOCRATES/ERASMUS, which organizes study stays by MU students and teachers abroad, and stays by international students and academics at MU. In 2004/2005, 425 MU students went abroad to study, an increase of 15.3% over 2003/2004 (360 students). Among MU teachers the increase was less pronounced (66 teachers in 2003/2004, 79 in 2004/2005). Interest on the part of international students rose significantly compared to the previous year, from 80 students in 2003/2004 to 212 in 2004/2005. A total of 50 teachers came to MU from abroad within the programme in 2004/2005.

Compared to the previous academic year, the number of MU students taking part in the SOCRATES/ERASMUS programme in the current academic year (2005/2006) has increased by roughly 30%, with approximately 620 students expected to study abroad. Teacher mobility will not increase significantly in 2005/2006. The expectation that there would be further growth in the numbers of international students coming to MU have been confirmed; it is anticipated that about 270 international students will enrol in studies at MU in the academic year 2005/2006.

It is also encouraging that participation by MU faculties is on the rise in other SOCRATES programmes: SOCRATES/ERASMUS sub-programmes (Intensive Programme – Faculties of Medicine, Education and Arts; Thematic Network – Faculties of Science, Education and Arts), Comenius (Faculties of Arts, Education and Science), Arion (Faculty of Arts) and Grundtvig (Language Centre, Faculty of Education).

LEONARDO

The Leonardo programme continued at MU in 2005. Again it consisted of internships for students and recent graduates that were part of projects managed by the University of West Bohemia in Plzeň. Students were able to apply to project IN-CO Plus 04-06 for a grant to cover an internship; 21 students were successful. Fresh graduates continued to enjoy internships under project IN-CO Grad 03-05 (14 this year) and IN-CO Grad 04-06 (4 graduates). The minimum length was three months, for graduates two months. Generally, however, interns tried to extend their opportunity to gain experience abroad for the longest period possible; some signed agreements for up to nine months. The greatest interest was in going to older EU member countries, while fewer interns went to the new EU members.

Masaryk University continued its membership in the international network LeoNet. Among the advantages of membership is access to an updated database of employment opportunities.

In 2005 Masaryk University was active in other LEONARDO projects as well, especially continuing pilot projects at the Faculties of Science, Social Studies and Education. The Faculty of Education and Administration also submitted a successful application for a project entitled “Harmonization of a Joint Degree Programme”, which funded internships for students and teachers in the Czech-French Master’s programme in public administration.

Jean Monnet

In 2005, six projects continued under the Jean Monnet programme (Jean Monnet Chair,

European Module, Permanent Course) at the Faculties of Law, Arts, Education and Social Studies.

CEEPUS

There was no increase in the number of projects; the following faculties remained involved: Arts, Science, Education and Sports Studies.

Cooperation with partner universities

Under teacher exchange programmes with MU's partner universities (Wroclaw, Poznan, Szeged, Pecs, Bratislava, Vienna, Regensburg, Greifswald), MU teachers spent 215 "teacher-days" at these universities in 2005. Counterparts from the same universities spent 209 "teacher-days" at MU.

Bilateral agreements

In 2005 bilateral agreements were signed with the University of Ljubljana (Slovenia), Chemnitz Technical University (Germany), Universidad Autónoma del Estado de Hidalgo (Mexico) and Sungkyunkwan University (Korea). Cooperation was re-established with the Instituto Camoes (Portugal) and the University of Tennessee in Chattanooga (USA).

Other funded stays

Through special agreements, students were given the opportunity to study at the Universities of Dresden and Louvain as well as at Kansai Gaidai university (Japan).

Ministry of Education development programmes

Thanks to annual support from the Ministry of Education's Development Programmes, the OIS offers scholarships for students who plan to attend a university abroad with which MU has a bilateral agreement or who have been given the opportunity to study at universities abroad as "freemovers". In 2005 the number of students benefiting from the programme declined slightly, from 132 to 120 (including 32 "freemovers"). The majority attended universities in European countries, while others went to South Africa, Brazil, the USA, Canada, Australia, Sudan, Tunisia, Egypt, Turkey and Israel.

Studies abroad under inter-governmental agreements

Each year, on the basis of agreements signed between the Czech government and the governments of other states, the Academic Information Agency announces a range of possibilities for students and teachers at foreign universities (summer courses, semester or year-long periods of study, research and lecture stays). In 2005, 9 academic staff members and 34 MU obtained financial support that took them to fourteen countries in Europe as well as to India, Egypt and Mongolia.

2. FOREIGN LANGUAGE PROGRAMMES

Central European Studies Programme

This programme is designed as a single-semester series of related courses. The language of instruction is English: participants include students from the USA, students who are part of the International Student Exchange Programme (ISEP), students coming to MU under bilateral agreements and European students at MU within the framework of the SOCRATES/ERASMUS programme. Interest in CESP continued to grow in 2005: 149 students took part in the courses offered under the programme, compared to 95 the previous year.

TESOL TE and CELTA

In 2005 the OIS again offered a one-semester programme aimed at future and present teachers of English. International students, mostly from America, selected the TESOL TE programme to hone their professional skills in preparation for teaching their native language. TESOL TE is a complex programme that combines methodology, practical instruction, the study of linguistics and courses relating to Czech culture. Students of MU and a number of non-Czech teachers, many of whom work at language schools in and outside Brno, did only one part of the TESOL TE programme, the successful completion of which leads to their obtaining the internationally-recog-

nized Certificate in English Language Teaching to Adults (CELTA), issued by the University of Cambridge. The certificate, which never expires, qualifies its holder to teach English as a foreign language anywhere in the world. Last year the programme was open in the spring semester of 2005; plans are being made to hold it as a regular course each semester in future.

Summer school with the University of Toronto

The great success of the first Summer School of Central European Studies at Masaryk University in 2004, organized in cooperation with the University of Toronto, was rewarded by increased attendance the second time around in May and June of 2005. Teachers at the five-week-long summer course included a graduate of the MU Faculty of Arts who is now studying for his doctorate at the University of Toronto as well as teachers from the Faculty of Social Studies. Three excursions, each of several days, to Vienna, Prague and Budapest, were an important part of the summer school experience.



3. PUBLIC PRESENTATION OF MASARYK UNIVERSITY

The presentation of Masaryk University at various conferences and other events at home and abroad is one of the OIS's most important tasks.

EAIE and NAFSA

In 2005 OIS personnel participated, as always, in the two main conferences / education fairs in Europe and America in the area of foreign relations, which are organized by the EAIE (European Association for International Education) and NAFSA (Association of International Educators). Participation in both conferences proved very rewarding, leading both to improved contacts with existing partners as well as to several new contacts.

For the EAIE conference in Krakow, the OIS organized for the third time a stand shared by Brno's six public and state universities, and produced the brochure *The Brno Universities*. At the NAFSA conference in Seattle, OIS personnel met with representatives of several American universities with whom they agreed on further cooperation, especially within the fee-paying CESP programme.

EUROPOSGRADOS

MU took part in the Mexican education fair *Europosgrados*, held in two cities, Monterrey

and Mexico City. Its purpose was to provide Mexican students with information about studies in Europe, especially Master's and doctoral programmes taught in the English language. The fair was attended by some 12,000 students, who displayed interest in both paid studies at MU as well as scholarships for studies abroad. The event included lectures on the system of higher education in the CR, given in cooperation with the Embassy of the CR in Mexico, and meetings with Mexican universities interested in working with European universities. Czech participation in the event was organized by the Czech Socrates National Agency as part of the Erasmus Mundus programme.

TEMPUS seminar on mobility

Success in the field of internationalization and the excellent results in supporting the growth of mobility at MU earned the OIS an invitation to a conference organized by the Hungarian National Agency for the TEMPUS programme in Budapest in May 2005. The OIS presentation focused on the importance of quality control of programmes conducted in foreign languages for international students.

4. ACTIVITIES WITHIN INTERNATIONAL UNIVERSITY NETWORKS

Utrecht Network

The main form of cooperation within the Utrecht Network of universities remains student exchange. The number of exchanges made within the SOCRATES/ERASMUS agreements between MU and other member universities increased moderately in 2005. As part of a cooperation programme between the Utrecht Network and a consortium of Australian universities, two MU students again had the opportunity to attend studies at Australian universities for a semester.

Summer schools are another important Utrecht Network activity. In 2005, five MU students won grants to attend a summer school on "Dutch Society and Culture", held in Utrecht. For the third year the Utrecht Network organized a summer school on human rights in Italy, attended by three MU students and one instructor. A second summer school was held in Ljubljana, where the main theme was environmental studies. This summer school was also attended by two students and one teacher from MU.

Compostela Group of Universities

MU continues to be actively involved in two working groups within the Compostela Group of Universities (CGU), those dealing with publications (the Director of the Office for International Studies is the editor-in-chief of network's series of

publications) and the mobility of administrative staff. One publication was issued in 2005. Within the administrative staff exchange, two grants were again made available to MU staff; one went to a librarian from the Faculty of Social Studies and the other to an employee of the Institute of Computer Science (who in the end did not take up the offer). Two employees from the international departments of the University of Cadiz and the Public University of Navarre in Pamplona came to MU for week-long stays.

One of the CGU's most ambitious ventures is the *Compostela Media* project. This aims to produce a series of films about research at the network's universities, films intended for broadcast by public television stations in Europe and elsewhere. MU was one of the first three universities chosen for this project. During ten days in October, a 55-minute documentary about research at MU was filmed at several university locations by the director Larry Levene.

Central European Initiative

Since 2005 MU has been the official representative of the Czech Republic on the Executive Committee of the higher education section of the Central European Initiative, a group of seventeen countries that share the goal of deepening of economic, cultural and educational cooperation

in the region. In October the Director of the OIS took part in the annual meeting of the Executive Committee, where the main discussion focussed on the financing of projects for joint degrees between universities in the CEI countries.

Viadrina Consortium

MU has become one of the initiators of a new university consortium devoted to European Studies. The first working meeting was held in Slubice, Poland, in February 2005, attended by a two-member team from MU as well as repre-

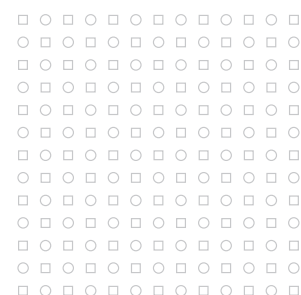
sentatives from Viadrina University (Frankfurt on the Oder), the University of Poznan, Rutgers University (USA) and Bilgi University (Istanbul). In autumn 2005 the group's first conference was held in Istanbul, where the best form of institutional cooperation between the universities was discussed.

5. OTHER ACTIVITIES

Since 2004 MU has been a member of a group of universities coordinated by the Compostela Group of Universities that manages a project under the Tempus Meda programme. The goal of this project is to train academic and administrative personnel at all of Morocco's fourteen universities in all aspects of running a university international office so as to encourage them to establish this kind of office at their own universities. In November the Director of the OIS and the Dean of the Faculty of Arts, Jan Pavlík, travelled to Rabat to Mohammed V - Souissi University in Rabat to lead a three-day series of workshops for all participants in the project. The response was very positive, and cooperation will continue.

The International Student Club (ISC), founded in 2003 with the support of the OIS, continues its successful activities. Its main purpose is to assist international students at MU. In autumn 2004 the club moved its office and technical equipment from Udolní street to the main Faculty of Medicine building, which made it much more accessible to students. That same year the ISC became a member of the Erasmus Student Network, an international association of student clubs. The club organizes a great many activities, among them a tutor system (a Czech student is responsible for a number of international

students, helping them with administrative and organizational matters at the university and outside of it); presentations of individual countries, in which both Czech and international students take part; language courses taught by Czech and international students; a film club; and one-day and weekend outings around the Czech Republic. All activities by Czech students in the ISC are carried out on the basis of volunteer work; even so, there has been a growing interest in working with the ISC (in 2004, 50 students volunteered to help; in 2005 the number was 120). The ISC and the activities it offers have been very well received by international students.



Publications, Archives and Libraries

14

1. PUBLICATIONS

In 2005, Masaryk University Press (MUP) published 346 titles (including reprints) of non-periodical publications. Of these, 55.78% (193) were textbooks and course readers and 44.22% (153) academic publications, journals and collections of scholarly articles. The number of titles published each year ranks MU among the most productive publishers, university or otherwise, in the CR. Detailed information on specific titles is available at www.muni.cz/press.

From the funding provided MU by the Ministry of Education, 900,000 CZK was allocated to various activities related to publications and publishing. The costs of publishing and printing the university quarterly *Universitas – Revue MU* Brno were covered. Contributions were made to help cover the printing costs of student magazines produced by university societies active at MU (*Medic on line*, *Halas*, *Octopus*, *Netřesk*, and *Sacra*). Funding was made available to enable the participation of MUP in the international book fair *Svět knihy Praha 2005*, where all the Czech universities exhibited their publications together, as well as in the book fair *Svět knihy Brno 2005*, where the Brno universities operated a joint stand that included the presentation of new releases and talks and book-signing by authors. In 2005 the press also took part in the 57th International Book Fair in Frankfurt am Main, as part of the

Czech national exhibit. Funding also went to cover the costs in connection with the legally required entry for publications in the bibliographical supplement to the magazine *Knižní novinky* (The Latest Books). Decisions on allocating the funding for publications and publishing were taken by the MU Publishing Board.

I was also with the agreement of the Publishing Board that a project was begun in autumn 2005 for a university-wide Internet bookshop, as part of an all-university service portal (books, conferences, lifelong learning courses, on-line payments, etc.), the gradual realization of which is scheduled for the first half of 2006. Its goal is greater information links to university activities in the area of publications and publishing and the creation of an alternative method for the distribution of publications and periodicals issued by Masaryk University, including better access for foreign academic institutions and individuals.

Besides its editors and technical editors, MUP also has its own printing centre. This permits more flexibility in the publication of individual titles, especially textbooks in the period before the start of the semester or the examination period, of collections of scholarly or scientific articles prior to conferences and of other materials intended for particular events. The centre also produces miscellaneous printed materials for MU.

Table 1 MU publications, 2003–2005

	2003			2004			2005		
	Course readers	Acad. pub.	Total	Course readers	Acad. pub.	Total	Course readers	Acad. pub.	Total
FL	22	12	34	32	13	45	23	13	36
FM	21	9	30	18	10	28	25	12	37
FS	30	23	53	25	14	39	25	14	39
FA	31	34	65	25	47	72	21	44	65
FE	31	11	42	48	17	65	51	26	77
FEA	30	16	46	55	16	71	38	13	51
FI	1	3	4	1	3	4	1	3	4
FSS	3	6	9	–	2	2	–	3	3
FSpS	–	2	2	5	2	7	2	3	5
RMU	–	26	26	9	19	28	7	22	29
Total	169	142	311	218	143	361	193	153	346

In 2005 a general inventory of all fonds and collections in the Masaryk University Archives was completed, as mandated by the Department of Archives Administration of the Czech Ministry of the Interior for all public archives in the Czech Republic. The results of the inventory were entered in the national electronic file kept by the National Archival Heritage. General information about the current content of the archives is available on the pages of the Czech Archive Society at www.cesarch.cz. As of 7 March 2005, the file in the National Archival Heritage showed a total of 185 archival fonds and collections, with a total of 1534 metres of archival material. This makes the MU Archives second in

size among university archives in the CR in terms of metres, while the number of archival fonds and collections far surpasses those of any other archives of the same type. About 90% of the archival materials on deposit have been processed and are available for research and other use. Category 1 documents, that is, those of exceptional importance, are found in 71 of the archive's fonds. The archives contain material from the period 1829 – 1997.

Among the MU Archives' most important new acquisitions in 2005 is the personal material of the philosopher and writer Vladimír Blažek, brought to the archives from Munich, which documents his years in exile (especially his work at Bayerischer Rundfunk, including texts broadcast there by exile and dissident authors). Another part of the collection consists of controversial contributions by German and Czech authors dealing with the postwar expulsion of Czechoslovakia's ethnic German population. Another new acquisition is the papers of the German language and literature scholar Antonín Beer, especially files (including extensive correspondence with important figures in Czech academia and culture) from the inter-war monthly *Naše věda* [Our Science], where Beer was the long-time editor-in-chief. The largest collection of posthumous papers donated to the archives in 2005 was that of the literary historian Dušan Jeřábek. The already existing file of material from the English language and literature scholar František Chudoba was enlarged, in particular thanks to a collection of letters from R.W. Seton Watson, mainly concerning the journal *Slavonic Review*. New regulations relating to the storage and disposal of documents were issued in 2005, and these have led to increased activity by the individual faculties in getting rid of materials. Their documents, however, could only be partially archived due to a critical lack of archive space.

In 2005, the archives were visited by 65 researchers, two from abroad. The total number of research visits was over 250 (not counting the submission of documents for documentation purposes). Loans of documents outside the archives were provided in 45 cases. In the area of documentation, the archives provided 66 copies of diplomas and certificates and roughly 150 confirmations of studies, records of examinations and curricula.

Table 2 Division of the MU Archives by national thematic system (PEvA) (at the end of 2005)

Number	Thematic groups of archive collections	Number of fonds	Size (in metres)
010200	Central offices and their specialized institutions after 1918	1	0,72
090900	Higher education institutions	24	1293,14
091400	Residences	1	0,36
110200	Personal collections	110	167,43
180104	Political organizations – local and at work	4	3,78
180304	Trade-union organizations – committees at the workplace	8	2,64
180404	National Front Action Committees, NF committees – at the workplace	4	2,64
200300	Student and youth organizations to 1948	2	1,80
200400	Charity, education, health and charitable associations to 1948	2	0,58
200500	Professional associations to 1948	7	2,90
210100	Social organizations 1948-1990	4	1,32
210101	Social organizations 1948-1990 – youth	8	12,42
210102	Social organizations 1948-1990 – sports	1	0,36
210199	Social organizations 1948-1990 – other	1	0,12
210201	Organizations and associations after 1990 – youth	1	0,60
220700	Cultural and academic institutions and facilities – museums and national history and culture institutes	1	0,12
240000	Charitable institutions and foundations	2	0,84
250200	Collections of posters, leaflets, regulations, newspapers, press, and contemporary documentation	2	19,32
250400	Collections of visual materials, photographs and negatives	3	10,49
250700	Collections of gramophone discs, magnetic tapes and other audio media	1	0,28
250900	Other collections – town-planning and architectural models	1	23,00
250901	Collection of documents and manuscripts	2	3,51
250911	Collection of medals & medallions	1	6,10
250912	Miscellaneous collections – paintings and busts, films and video recordings	2	5,36
Total		193	1559,83



3. LIBRARIES AND LIBRARY INFORMATION SERVICES

Masaryk University's network of libraries consists of nine central libraries for individual faculties, several central specialized libraries including the one at the Support Centre for Students with Special Needs and 126 departmental and specialized libraries at the faculties themselves. The faculty central libraries provide basic library information services at the faculties as well as coordination and methodological guidance for the department and specialized libraries.

Two new faculty libraries were opened in 2005 – the newly-built Faculty of Science information centre on Kotlářská street and the rehoused library of the Faculty of Social Sciences in its newly refurbished building on Joštova street. Since 1990, new or refurbished libraries have appeared at every MU faculty except for the Faculty of Medicine (for which a new information centre is currently being built at the Bohunice Campus).

All the libraries at MU function as a unified system. In 2005 a set of MU Library Regulations was devised that spells out university policy in the area of library services and that removed barriers between faculties where access to library

collections is concerned. All internal MU users (students or members of academic or administrative staff) now enjoy equal conditions at all MU libraries.

The MU library network is coordinated by the Library and Information Centre at the Institute of Computer Science, which is responsible for working out the guidelines for the library services at MU. It handles the operations of the centralized library information systems of the university and coordinates the development and use of all faculty library technologies with a view to their compatibility and interoperability. It is also responsible for acquiring and distributing electronic information resources for research and teaching purposes for the whole university.

Adding to the library collection

As of 31 December 2005 there were nearly 1.6 mil. academic library items on deposit at MU libraries, from all academic disciplines studied at the university. Libraries subscribed to 2500 specialized periodicals in print form. The year's increase was over 42,000 library items, and the MU libraries spent 20.5 mil. CZK on acquisition.

Table 3 Libraries

Faculty	Faculty central library	Departmental libraries	Reading room capacity	Acquisition funds (thou. CZK)	Number of full-time equivalent staff	Opening hours per week
FL	1	1	143	3,198	9.0	51
FM	1	69	64	3,368	10.0	47
FS	1	21	365	4,592	18.0	41
FA	1	19	504	1,154	30.5	71
FE	1	15	148	1,000	11.0	47
FEA	1	1	140	1,900	9.8	50
FI	1	0	32	1,905	2.3	40
FSS	1	0	222	3,036	9.3	58
FSpS	1	0	20	415	2.0	38
MU total	9	126	1,638	20,568	101.9	Avg. 49

Table 3 MU library collections

Faculty / Unit	Library items			Periodical titles		Number of added library items		Reduction in number of library items
	Total	Books and periodicals	Open-shelf access	Print	Electronic	Total	Books+period.	
FL	131,942	120,867	58,736	371	59	4,145	3,489	1,977
FM	138,030	136,936	23,166	189	20	3,369	3,201	2,169
FS	340,443	286,322	134,355	882	42	3,894	3,307	183
FA	721,310	704,071	117,513	345	3	11,010	10,348	2,472
FE	141,086	136,741	30,070	187	-	7,078	6,256	4,954
FEA	43,215	39,584	39,584	172	17	5,165	4,354	78
FI	13,654	11,989	11,989	91	15	1,807	1,497	8
FSS	37,184	33,943	25,975	151	278	4,146	3,560	147
FSpS	7,370	6,584	6,809	56	-	1,766	1,522	7
Students with Special Needs	2,823	2,823	-	-	-	323	323	-
MU total	1,577,057	1,479,860	448,197	2,444	434	42,703	37,857	11,995

Accessibility of electronic information sources (Internet – intranet)

Masaryk University has access to a wide spectrum of international and domestic electronic information sources for study, research and teaching purposes, covering every discipline found at the university. Its information resources in the form of full-text journals, collections of articles and other academic and specialized publications in electronic form, as well as its analytical, bibliographic, citation and encyclopaedic databases, are fully comparable to those of leading international universities. In addition to the dozens of extensive online megasources that are available, with many thousands of periodical titles, and hundreds of information databases accessible university-wide (see http://library.muni.cz/e_zdroje.html), a number of other highly-focused academic information sources are also accessible at the individual faculties.

University electronic information sources are accessible to any computer linked to the university computer network. For students and staff accessing sources outside the university network, proxy and VPN servers enable external access using the MU Information System's unique authorization mechanisms.

Most of the costs of acquiring these licensed electronic information sources are covered

through the Ministry of Education 1 N grant programme (information infrastructure research). In 2005 about 5 mil. CZK worth of electronic information sources was purchased using Masaryk University's own funds

Coordinating library and information services

The basic library and information services (cataloguing, lending, electronic catalogue, acquisition) are supported at MU by the central library system Aleph 500. In the summer of 2005 the central libraries from all MU faculties were brought into the Aleph-MU system. Over 43,000 users are registered in the automated library system, which processed around a half-million loans from the MU collections in 2005. Via the web, users can search for information on documents in the MU catalogue as well as in the catalogues of the individual faculties. They can reserve and extend loans, check their reader's account and carry out other operations on line.

The university's automated library system contains more than 700,000 bibliographic entries, which cover the complete periodicals collection and 44% of the university's book collection. All of the new acquisitions from about 1990 are available in electronic form, as well as the older items that continue to be borrowed; the only collec-

Table 5 Library services

Faculty	Registered users	Registered loans	Inter-lib. loan service	International loan service	Completed searches	Training sessions for users	Number of photocopies made
FL	5,226	75,341	176	–	–	–	90,728
FM	2,390	46,485	830	2	890	185	2,540
FS	4,082	30,444	1,249	238	10	50	–
FA	10,631	160,311	639	–	461	14	47,241
FE	9,649	55,912	145	15	20	21	–
FEA	4,404	71,371	144	36	–	12	–
FI	2,209	11,000	105	2	–	5	–
FSS	3,996	40,650	217	60	–	13	13,251
FSpS	1,127	11,970	118	23	28	–	11,591
MU total	43,714	503,484	3,623	376	1,409	300	165,351

Table 6 Electronic records

Faculty / Unit	Number of electronic entries in MU library system			
	Monographs (library items)	% of coll.	Serials (titles)	Periodicals (titles)
FL	87,601	72	569	5,779
FM	51,487	38	686	–
FS	116,102	41	2,978	–
FA	208,189	30	2,741	–
FE	95,481	70	332	311
FEA	39,584	100	144	8,548
FI	11,989	100	155	–
FSS	33,943	100	381	32,132
FSpS	6,584	100	99	–
Students with Special Needs	2,823	100	–	–
MU total	653,783	44	8,085	46,770



tions not covered are some of those in departmental libraries and older, little-used items, although even they are being steadily brought into the electronic catalogue. At the Faculty of Arts, old collections can be searched by means of scanned index cards. Besides monograph and periodical catalogues, some faculties are building an indexed database of academic articles.

University electronic services

At the central level, the MU Library and Information Centre is engaged in the development and operation of three library information systems providing basic electronic services to the university public:

- the Aleph 500 library system
– <http://aleph.muni.cz/>
(faculty catalogues and the MU union catalogue available on the web – searches, information on loans, reservations, extensions)
- the university CD-ROM server
(access to information sources on CD/DVD in the whole university network)
- the library portal – <http://library.muni.cz>
(combines all basic information and services of the MU libraries).

At the faculty level, the central libraries provide other electronic services according to the specific needs of the faculties they serve and the limits of their capacity (for example the digitalization of old printed materials at the Faculty of Arts, a full-text electronic archive of all theses at the Faculty of Economics and Administration, the electronic delivery of documents at the Faculty of Education, a virtual library at the Faculty of Social Studies, and others).

Education and training of users

The education and training of users is handled by the faculties' central libraries, depending on the resources and needs of the individual faculties and fields of study. In all for 2005, 300 educational sessions were held, focusing especially on orientation in the library, work with the library system and the use of electronic information sources. Lectures and instructional sessions for 1st-year students (as part of classes) are organized at four faculties (Arts, Economics and Administration, Education and Science). At the Faculty of Education an e-learning course called "How to work with specialized information" was introduced as a regular course within the MU credit system. At the Faculty of Medicine there is a course for doctoral students on how to search for and access scientific information.

A number of MU librarians serve as teachers in the Bachelor's and Master's programmes in Information Studies and Library Science, which is offered at the Faculty of Arts.

Library personnel – qualifications, lifelong learning

There are a total of 105 full-time employees at MU libraries. One-third of them have university degrees (64% of these in library specializations),

two-thirds have secondary school education (83% in library specializations).

Familiarity with library standards and principles (MARC 21, AACR2) is regularly updated in sessions run by qualified Library and Information Centre personnel. As the opportunity or need arises, library staff take part in professional training sessions and seminars run by the Moravian Library in Brno and the National Library in Prague.

Table 7 Qualifications of library personnel

Faculty /Unit	FTE employees total	Of which			
		University education	Library Science	Secondary school education	Library Science
FL	9.0	2	1	7	6
FM	10.0	4	1	6	6
FS	18.0	8.5	8	9.5	8
FA	30.5	10	7	20.5	12.5
FE	11.0	2.5	2	8.5	7.5
FEA	9.8	3.8	0	6	5
FI	2.3	0.3	0	2	2
FSS	9.3	3	3	6.3	6.3
FSpS	2.0	0	0	2	2
KIC MU	3.0	2	1	1	1
MU total	104.9	36.1	23	68.8	57.3

In 2005, 25 librarians were enrolled in English language courses offered within the MU internationalization programme; 11 librarians gained higher specialized qualifications through university studies.

Other activities

A brief overview of other important library activities in 2005:

- **Library system:** Conversion of all faculties to the Aleph-MU unified library database was completed, and unified lending conditions for all of MU were established. A library self-serve check-out desk was installed at the Faculty of Social Studies.
- **New libraries:** New central libraries were opened at the Faculties of Science and Social Studies. Preparatory planning continued for a new Information Centre for the Faculties of Medicine, Science and Sports Studies at the university campus in Bohunice. Collections at the Faculties of Social Studies, Science and Arts were moved to new areas. The process of integrating the individual departmental libraries at the Faculty of Science was begun.

MU libraries traditionally carry out the large-scale exchange of academic publications with several thousand academic institutions around the world. Besides mutually beneficial cooperation and contacts, this significantly enriches the university collections, especially in the areas of periodicals and serial literature.

Information Technology and the Information System

15

1. INFORMATION AND COMMUNICATION TECHNOLOGY

Information and communication technology (ICT) at the university is maintained and developed by the MU Institute of Computer Science (ICS). It is responsible for the operation and expansion of the centralized computer system, information systems and communication infrastructure of the university. It issues methodological guidelines for the Computer Science Laboratory and other specialized ICT units at the faculty level, and takes part in research and teaching activities.

Centralized computer systems

The ICS manages the complex communications, data and computer infrastructure at the university as well as part of the national network CESNET2, through which it is able to provide a number of centralized services. In 2005, increased attention was devoted to security and the reliable storage of data in particular. At the University Computer Centre, two backup systems were installed, separated from the primary data at the ICS – one for data from the Integrated Control and Information System (IRIS MU), and the other for the great mass of data from other systems. The capacity of the second system is also available for back-up storage of critical data from the faculty servers. As new university computer rooms were set up, storage capacity for centrally-stored student data was expanded. Thus students can access their earlier work from any one of these study areas, regardless of location. Due to lack of physical space at the central server facility at Botanická 68a, the basic technical and programme elements for so-called virtualization of smaller-capacity servers were acquired, allowing smaller applications requiring specific programme environments to run simultaneously with the operation system of the providing server.

Purchases, distribution and central support for the university continued in the area of universal programme components for client stations from the Microsoft Select programme, anti-virus and security systems and university-wide application packages for statistics and mathematics. Extensive reconstruction was carried out on the feeding and

cooling systems at the central computer rooms at Botanická 68 and Komenského 2.

Supercomputer Centre Brno (SCB)

This unit of the ICS is responsible for the development of distributed computer and data systems, and recently for external cooperation systems as well. At the same time it handles high-performance computer operations mainly for the purposes of scientific and technical calculations and the processing of large amounts of data. It is also involved in research in the field of grids, where it works as the de facto national centre in this field, and takes part in research on distributed environments for cooperation. In both of these activities the SCB works closely with CESNET and other universities in the CR.

The year 2005 was the last year of operations for the original high-performance SGI systems; the main high-performance output is now concentrated in the computer clusters installed at the ICS. These are both MU clusters (mainly the National Centre for Biomolecular Research) as well as external CESNET clusters (as part of METACentrum activities). In 2005 the set-up consisted of 250 processors, the great majority of which were Intel Pentium 4 Xeon with a frequency of 2.4 or 3 GHz. The number of systems with 64-byte architecture also grew: besides one IMB computer with a Power4 processor, and one HP computer with an Intel Itanium 2 processor, there were also 20 AMD64 Opteron processors. Late in the year a server was added with 16 GB of memory and four Opteron double-nucleus processors. For the purpose of back-up data storage, the SCB formerly operated a 12 TB METACentrum tape library; this was replaced at the end of the year by a new model with a total capacity of 200 TB of un-compressed data. This configuration stores back-up data from selected academic units at MU as well as from other institutions cooperating on the METACentrum project. Another data system operated by the SCB was distributed disc storage with capacity over 15 TB. In 2005 the Supercomputer Centre provided specialized services for digitalized recording of lectures, both by providing disk capacity as well as through opera-



tion of a cluster for coded digital video recordings. It also took part in designing and launching MU's multi-media archive, with current capacity of 8 TB and dual backup storage of data.

The university computer network and communications infrastructure

The Institute of Computer Science develops and operates the backbone of the university computer network, with direct connection to the CESNET 2 network, by a link of 2x 1Gb/s (and experimentally with 10Gb/s DWDM data transfer technology on the Brno-Prague link). Supercomputers and grids are connected by their own 1Gb/s link. The backbone of the university network is operated with Gigabit Ethernet technology, and comprises over 90 junctions and 100 kilometres of fibre-optic cable with several thousand strands. For connecting to places outside the optic network, directed transmission is used. Detached units of the Faculty of Science in Brno-Řečkovice and the University Centre at Šlapanice are connected via a microwave-band high-speed radio network. Roughly 50 other points are connected to the university network in the free radio band 2.4 GHz. In most cases these are leading officers of the university and the personnel who oversee the Brno network. The administrative and record-keeping elements of the university network are run under their own information system based on GIS technology.

From a technological standpoint there were no major changes to the network in 2005. Several new fibre optic cable routes were laid, with a total length of 2.5 km. This made it possible to remove above-ground cables, for which the university's operating permit expired. With the completion of the first phase of construction of the integrated ILBIT at the new Bohunice campus, the ICS took part in building and configuring the network infrastructure in the ILBIT complex. Work continued on expanding and ensuring security for the MeDiMed network connecting local and distant hospitals to a central server for medical applications. In order to strengthen security on the MU network infrastructure, a pilot installation was made of new firewalls in vulnerable parts of the computer system, mainly at the interface between the backbone network and the internal faculty systems. To service the greatly increased numbers of notebook users with wireless connection, the number of WiFi-access points was expanded significantly, and a performance-adjustable VPN server was introduced. Plans are underway to bring the university into the Eduroam project, which will offer our users even more mobility.

Voice communications network

In 2005, the year after it was built, MU's new voice network came into full operation; the model chosen for operation, maintenance, tracking of calls and user rates began to prove its functional worth and bring financial benefits, justifying the heavy investment that had been made in the system. Most operational activities were related

to changes in the location of university offices and staff. These included the Faculty of Social Studies moving to Joštova street; the Faculty of Arts gaining new premises on Gorkého and Jaselská streets; part of the Faculties of Medicine and Science moving to the ILBIT complex on the Bohunice campus; some units of the Faculty of Science returning from Řečkovice to the complex on Kotlářská street; and a new Faculty of Medicine department on Černopolní street being created. In the course of this moving about, some 1400 user outlets were connected, with the overall number of installed outlets stabilizing at 4250. The MU switchboard and information desk at the ICS call centre handled over 50,000 calls in 2005; on working days an average of 200 calls a day, at peak times during entrance examinations as many as 500 calls in a single day.

University computer rooms

At the beginning of 2005 the MU approved an overall plan for university computer rooms. The goal is to create at MU a network of computer rooms providing a unified environment for effective access by users (especially students) to computer and communications facilities, the university's electronic sources of information and centrally-stored (personal) data. The design is based on the requirement that access for each student be independent of faculty or location of computer room. In all computer rooms users are to have access to certain guaranteed services. From an operational standpoint, the unified concept of centrally-controlled services allows service according to users' current needs and lowers the cost of acquiring and maintaining technical and software equipment. The network of university computer rooms is supported by the University Computer Centre and uses its system infrastructure and technologies. On 1 September 2005 new Operating Regulations for MU Computer Rooms went into effect; by the end of 2005, 386 user stations located at the University Computer Centre and the Faculties of Arts, Social Sciences and Science had been connected to the unified system. Further expansion of the number of connected rooms and user access stations as well as of the spectrum of available services is planned for 2006.

Student interest in the University Computer Centre itself remains high: its 109 computers have been in constant use day and night since 2000. In 2005, its services were used by 16,154 MU students making 389,000 visits, spending 468,000 hours on the centre's computers and printing 670,000 pages. The University Computer Centre acquired a high-performance laser printer and copier; the server infrastructure was strengthened with a data storage file for user data. The system for connecting to laptop computers is constantly expanding; in 2005 there were 2,677 laptop users at MU.

E-learning Support Centre

The ICS is responsible for coordinating activities having to do with multi-media and IT support for all forms of instruction at MU. The E-learning Support Centre, or eCentrum for short, was established in 2005 as part of a Ministry of Education development project. Besides its core employees and the principal investigators of the development project, personnel from all of the MU faculties and the Language Centre were involved in the work of the eCentrum in 2005. The eCentrum is responsible for methodological and organizational assistance to faculties, the coordination of these activities at the university level and the preparation of guidelines and instructional material. eCentrum also works with a development team from the MU Information System to develop a unified system of study support (the Learning Management System – LMS). eCentrum cooperates with selected groups of teachers, collects information on the experience acquired by established systems and provides feedback for the LMS.

The building of the central technical infrastructure for support of electronic forms of study continued in 2005. The ICS set up a server to handle multi-media data (with a capacity of 2 times 8 TB, and potential for further increase in capacity), stabilized the system for automatic processing of digital video recordings (transfer to various formats), and created a distributed system of linked servers for easier downloading of large video recordings. The ICS also coordinated the purchase of technical equipment for the individual MU faculties.

University information systems

The individual university information subsystems are part of MU's Integrated Control and Information System (IRIS MU). The development, operation and integration of subsystems supporting the university in the areas of research, financial and accounting operations, personnel and payroll management, operational services, geographically oriented information services, libraries and external relations is overseen by the ICS, which also plays the main role in the creation of the conceptual framework for IRIS. Studies and teaching are supported by a subsystem of the Information System overseen by an IS team at the Faculty of Informatics.

IS for research

This information system was intended primarily as a means of support for the Offices for Research at the faculties. It contains the central information files on research projects and long-term research programmes, habilitation and doctoral proceedings and the composition of the Academic Senates, the Scientific Boards and MU's other official bodies (with links to the MU's public Internet presentation). In 2005 extensive restructuring was begun in the area of research projects and long-term research programmes, with the goal of building an Information System for Project

Documentation intended not only for research offices but for the financial offices as well as the principal investigators of the projects. The new system will go beyond the current recording of identification details and descriptive information on projects to cover their financial aspects as well, thus providing structured access to financial data and enabling the entry of data needed for creating budgets and planning expenditures. The first steps in this restructuring were analyses of the system and the mass collection of the needed data on all of the current research projects at MU. This will be followed in 2006 by the creation of application support enabling printouts of structured and itemized budgets and links to the "Budgets" and "Invoices" modules in the financial and accounting system. The current database includes more than 2,300 projects carried out at MU since 1991 and over 500 habilitation and doctoral proceedings (since 1999).

Financial IS

Information support in the area of finances and accounting is provided to the university's finance officers and administrative staff in this area (currently around 350 users) by the Magion electronic information service, from the external contractor Magion Systems, a.s. This system is made up of the module Financial Accounting (including Receivables, Payables, Liabilities, Bank, Cash Offices and Business trips), along with the modules Stock, Property, Invoices and Budgets. The ICS operates these modules and ensures their integration into the IRIS MU, and provides intranet access to selected financial indicators for individual MU units and users. In 2005 a fundamental change in technologies was made, from the Informix database system to the more promising platform Oracle. This transition required significant alterations in the applications in both EIS Magion as well as the MU intranet. In addition to other modifications required by changes in external and internal regulations and methodology, the development of the finances information system in 2005 also moved in the direction of improvements in the area of property records – the documentation and inventory of MU property using bar codes. In 2006 Magion will be expanded to include a standardized interface for long-distance transfer of data on payments and receivables to and from external systems (required especially by the newly-built system for MU Internet commercial transactions and also by the IS MU for studies, and the linking of the financial system (modules for budgeting and orders) with the above-mentioned system for keeping project records.

Personnel and Payroll IS and identification cards

The P&P system provides information support to personnel and payroll offices at MU (currently about 50 users). Selected information about this system is available to MU's individual units and users via the university intranet and to the public



via MU's Internet pages. In 2005 a number of modifications were made in the personnel and payroll system due to changes in regulations and methodology, especially the new obligation to provide data on the state pension insurance of MU employees to the Czech Social Security Administration in electronic form. During the early part of the year there was public bidding for an external contractor for a new P&P system for MU, but none of the bidders met the requirements. New bids will be invited in 2006.

University personnel records are also connected with personalized chip MU ID cards for students and employees, which are the responsibility of the ICS from the development and operation of the programme equipment to the actual photographing of persons and production of ID cards (ISIC, ITIC, employee cards, etc.). The cards, besides serving for general identification purposes, also provide secure access to the university's information systems, enable entry to protected areas (including the University Computer Centre), are used to order and obtain meals in university canteens and cafeterias, etc. Some 9,200 cards were produced in 2005. In 2006 the current locally managed programme facilities for creating and administering the cards will be replaced by a completely new system, with data and applications integrated into the IRIS MU.

University intranet and Clearing

The intranet system Inet MU is a university information system based on web technology, the task of which is to provide local offices (heads and leading administrative staff, secretariats, etc.) and particular individuals at MU with selected information and services in the area of internal information (minutes, regulations, instructions, address lists), personnel information, payroll data, telephones and the recently-added building and facilities management. The system is used regularly by more than 57% of the employees (some 2,300 people) and 25% of the students (some 7,500 persons), with an average daily visitation of 600 people. In 2005 it was the financial part of Inet that saw the greatest expansion: the new system for tracking university property by bar code meant that 4,400 stickers for rooms had to be produced, along with more than 62,000 item inventory stickers; a property inventory programme was developed using programmable bar code readers. The bar code system has been applied to roughly one-third of Masaryk University's property; entering the remaining two-thirds is the task for 2006. The coverage of Inet was also expanded in 2005 in the area of university property management, incorporating graphics using geographic information system technology. The acquisition of hardware and software for cluster operation of the application server Inet assuring uninterrupted traffic was a significant improvement in 2005.

A very important part of Inet is the application support Clearing MU, the university system for central payment of fees for services provided by the university to individual persons. As a pilot

project, it carries out non-cash payments for accommodation and services at the MU residences. In 2005 the core and interface of Clearing were reviewed, and the entire system was transferred to the platform Oracle. Both revisions brought significant changes in the system of payments and billing; in connection with this, an effective interface was created for transferring data between external systems and banking applications of the financial IS. At the end of 2005 an analysis was begun for a third, general version of Clearing, with the goal of creating a general system for the payment of personal bills, usable by any external system of billing or deposit type (for example, client systems might include systems for payment of private telephone bills, payment of bills at MU cafeterias, printing and copying service, and so on).

Geographic information systems

Geographic information systems (GIS) provide information on exact location and present data in spatial contexts with the help of digital maps. This makes them an effective instrument for information systems dealing with objects in space. For several years the ICS has been using GIS technology with its own systems for maintaining and managing the Brno academic computer network. In 2005 the system's user interface was improved, and functions added to support the management of the telephone system. Another system using GIS technology is the newly-established system for support in administering real property at MU. In 2005 information was put into the basic data categories in the geographic database – ground plans of buildings, floors and rooms – and the data in the building files were made accessible to qualified MU staff via a specialized intranet application. Public access to this data, as well as selected data from the computer network, is mediated by public internet application at <http://maps.muni.cz>; some of the GIS results can also be accessed at www-prezentaci.muni.cz.

Library system

The operations and services of the MU libraries are supported by the automated library system Aleph. Through its web interface, this system also helps users search for information on documents in MU libraries and carries out several on-line services. In 2005 the process of conversion of all MU faculties to a unified Aleph system database was completed. At the same time, in keeping with the new MU Library Regulations, lending regulations were unified throughout the university. At present there are over 700,000 bibliographic references in the Aleph-MU catalogue, which has some 40,000 registered users. Basic library services in the areas of cataloguing, lending and access to information on the collections have been made fully automatic, both at the faculty level and throughout MU as a whole.

MU's public web pages

MU's bilingual Internet presentation (web and wap) presents general and detailed information about all aspects of MU on the principle of unified information content, a unified presentation format and automated transfer of information from IRIS MU databases. It is an MU product implemented by the ICS in cooperation with the Offices for Internal Administration and External Relations of the MU Rector's Office. In 2005 the number of visitors to the web pages rose to more than 8,600 IP addresses per week (21% more than in 2004); it is operated through a cluster of

web servers and an independent data server, fully replaceable by a backup server. In 2005 a full-scale analysis was made of the requirements for the creation of a new version of the web presentation based on a unified visual style for MU. The design of the project should be completed in the spring of 2006; implementation is planned for September 2006.

2. INFORMATION SYSTEM

The Masaryk University Information System (IS MU) is an authorized web information system that covers nearly every area of student administration and several other MU agendas. Access to the public part of the system is found at is.muni.cz.

As of 31 December 2005, 77,334 active users had an MU Information System password. The system is regularly used by 37,988 persons, while 43,397 accessed the system occasionally. In 2005 a total of 45,804 e-applications were submitted during the MU admissions procedures. A total of 35,467 persons read some kind of message on the Notice Board; 19,345 students submitted comments on the quality of the teaching at MU in an anonymous survey. E-learning agendas again experienced massive growth – there were 26,812 posts in topical discussion forums, and in the section Study Materials alone there are 49,528 files. In 2005 the e-mail server mail.muni.cz delivered some 9 million messages.

Overall statistics

- Number of accesses in 2005: 147,684,675
- Maximum number of different users signing on in a single day: 19,358
- Maximum number of open pages in the system in one day: 1,161,935
- Maximum server performance: 162,252 fulfilled requests in an hour (averaged)
- Total number of individual programmes in the system: approximately 1100
- Data storage: in some 810 database tables in around 70 categories
- Number of publication entries: 435, 748 (of which, for RIV: 53,160)
- Number of questions answered through the contact address: around 2,000
- Total server down time: about 38 hours

Operational technology

Throughout 2005, the modern database technology based on the SGI Altix server in operation since August 2004 was used to its full capacity. This allows high performance and uninterrupted accessibility to the system during regular traffic

as well as beginning-of-the-semester peaks. These peak traffic hours, caused by first-come first-serve competition by students in signing up for the most popular seminars and examination sessions, caused no major complication to the system. However, overall performance was also improved by optimization carried out gradually within the system during 2005 on individual applications.

While no technical equipment changes were made in the database sector in 2005, at the end of the year the application servers underwent a planned modernization in order to keep up with the performance of the database during future growth in the system.

In 2005 significant improvement was made to the technical equipment, allowing better support for storage of data in foreign languages. This is related to the ever-growing use of the Information System for independent study, where study materials (texts, examination questions, multimedia instructional elements, etc.) can contain all kinds of symbols from any number of foreign alphabets. This very complicated technical improvement allows full support in any application for localization into other languages.

Development and operation

Each year, on the basis of cooperation with the Offices for Studies at the MU Rectorate and the individual faculties as well as other central university units, their needs and requests are communicated and acted upon. At the same time, a development team monitors and identifies administrative processes that can be simplified and streamlined and recommends and implements them within the IS MU in accordance with the needs that have been expressed. In the past year these have included various changes or modifications in administration of studies in the area of admissions, release of information related to individual studies, and so on.

The greatest efforts in 2005 were made in the area of advanced development of e-learning. New instruments of communication were created where this was requested (for example, for the Office for External Relations). A significant por-



tion of the IS MU was translated into the English language.

In 2005 attention was devoted to monitoring system operations during peak hours after opening enrolment for popular courses, examination sessions and seminar groups; it was found that the system dealt easily with these peaks.

During the upcoming period, work will continue on e-learning modules and support for integrating fields of study (automatic compilation of course credits for parallel degree courses and simplified recognition of subjects from previous studies). Translation of the IS into English will continue.

EUNIS ELITE AWARD 2005 to MU

The EUNIS Elite Award for excellence in implementing Administrative Information Systems for Higher Education is a prestigious European prize for the best implementation of university information systems; since 1999 it has served as a form of recognition of leading players in the use of information technology in higher education. Universities awarded this prize in earlier years have included the most renowned in Europe; one was in the world's Top 10 and two others in the world's Top 100.

Evaluation criteria for the competition consisted of the degree of (de)centralization of responsibility for operation and administration, evaluation of standard and above-standard services for students and their activities, efficiency of use, benefits for institutional productivity, electronic support for teaching, flexibility of development, speed of implementation, cost-effectiveness and several other factors.

E-learning

Over the last few years the e-learning sub-system has been the core development activity of the IS MU. The goal is to build on the successful introduction of the principle of electronic communication between teachers and students and expand it to include other possibilities for electronic-based learning. In 2005, the most promising and wide-ranging topics in this area included:

■ Interactive Curriculum

The Interactive Curriculum application provides access to curriculum overview; it is a starting point from where students can move to individual e-learning activities and a place where a broad spectrum of teachers can conveniently post their already existing electronic educational materials.

■ Questionnaires

Development has continued in the field of testing, with various types of test questions in web format. The tool can be applied for various types of knowledge testing, for practising skills and drills, for testing with interactive elements, and so on.

■ Testing through IS MU

A pilot run took place for testing student knowledge in the computer room – for example, language course placement tests for

900 students of English, submission of secured files, etc. Preparations continued for further simplification of administering exams: scanning, recognition, and automatic correction of exam tests.

■ Language course support

Perhaps the most extensive e-course projects in 2005 were in support of foreign language teaching. Extensive applications were created for production of complex sets of test questions and other language materials by teachers of languages unfamiliar with IT skills.

■ Training and consultation for teachers

With the expansion of e-learning at MU, it was necessary to provide special e-learning consultation and training for special projects, analyze the needs and suggestions of e-course teachers, and have steady feedback during the development itself.

Support for the study process

The largest applications undertaken were applications implemented in relation to new institutional conditions in education, at the university or on the basis of identified opportunities to make teaching more effective.

■ Printing of university diplomas and diploma supplements

In addition to the diploma and state examination certificate, Masaryk University issues a uniform document containing further detailed information about the studies the diploma holder has completed, including information useful for possible further studies or employment abroad. This document, the Diploma Supplement, was previously provided by Masaryk University upon request only, and showed only course, date of completion, number of credits, field of studies and degree programme. In 2005 it became part of the MU Information System. Production of an internationally-recognized document is now much easier: the IS MU checks on the dozens of facts needed in order to issue the document and then prints it. The system also allows preview and printing of a sample version of the supplement by the student. That way, students can check the supplement for factual correctness and suitability before graduation.

■ Applications for accommodation grants

A reform in the system for financing student accommodation in 2005 led the Czech Ministry of Education, Youth and Sports to introduce a new set of rules. Each student may open the application "Request for Accommodation Grant", but only if he is eligible for such a grant (after computer calculation of the student's conditions of study at MU); otherwise, the reason why the student is not eligible is shown on the screen – all this well before the start of the application period. The student enters his or her bank account number into the application, and immediately receives control information (time request was submitted, bank account number, schedule for collecting the

grant, details from the national registry and whether the application for an accommodation grant has been accepted). Likewise, the MU Information System provides other services to student and Offices for Studies and information for university management. In addition, after confirming the decision to issue the grant, it passes along the needed data to the accounting software so that the payment of the grant is as automated as possible. This year's submission of applications went off without a hitch during the period from 1-15 October. During that period Masaryk University recorded over twelve thousand eligible applications.

■ Teachers' workload

The IS MU implemented IS instruments requested by many MU faculties that enable them to make their own analyses of which teacher gave which students what grades. The originally implemented project in tracking the awarding of grades allowed tracking of only the most recent grades. However, if a student fails an examination and repeats it one or two times, in theory he or she could be examined by a different teacher each time. Therefore, the information on who gave the grade is listed separately for each exam. This also covers cases where a grade is recorded on behalf of the teacher by a secretary, for example; now it is clear who actually gave the exam. Such records are part of the task of getting a statistical overview of the volume of work accomplished by each particular teacher; it is now possible to produce a list of teachers and the grades given by them. The overall effect is improved ability of faculty officials to monitor teacher workloads in terms of grading exams. Faculty officers judge teacher performance according to a number of factors, and those who initiated the project now have another management tool on the basis of which to make evaluations.

Help, index and training

The Help application was improved and expanded in 2005 with the addition of sections on E-learning, Studies and Course Catalogue. At present Help contains 46 chapters (with a total of 483 questions), while others are being prepared. Cooperation also continued with the Human Resources Office at the MU Rectorate on regular retraining for various groups of MU employees. These seminars are taught by members of the IS MU development team. Some training is part of the traditional orientation for new students, but even so, development teams are overwhelmed at the start of the year by questions. An effective measure was to post a help text on each 1st year student's own Personal Administration title page for a certain period to help students understand how to solve problems and seek out and use information. Some 2,800 new students clicked for help in 2005, making up 70 percent of those who were accepted for studies this year at MU and have entered the MU IS.

MU Alumni and Friends Association

The IS MU now offers a new application serving the MU Alumni and Friends Association. It organizes special programmes for graduates and friends of the university that help bring the university closer to them and assist in providing contacts between graduates, organizing graduate reunions, passing along university news, providing news about the Masaryk University Information System (even for members who graduated before the IS MU existed), sending out invitations to major university and faculty events, cultural events and special university lectures, fostering cooperation with similar associations abroad, and so on.

After the completion of studies, graduates retain their e-mail address and a Personal Page in the IS MU, but the Notice Board and Discussion Forum are only open for reading. However, members of the association do have the opportunity to contribute to the two sites.

Evaluating the University Environment – a questionnaire

A survey created by the Strategy and Development Office was designed to identify problems of students and employees at Masaryk University. The questionnaire for students contained 25 questions dealing with studies, communication with teachers, quality of building infrastructure, cafeterias and technical equipment. The questionnaire for employees contained 34 questions about building facilities, technical equipment, quality of organization and services and the computer network and evaluation of the IS MU. A total of 15,935 people responded to the survey. As with the regularly-conducted evaluations of teaching quality, this survey was able to take advantage of IS MU technology to assure anonymity and to allow collection of free commentary – 1,619 respondents filed verbal comments. To organize such a survey without the use of the IS MU would be far more difficult organizationally.

Translation of the IS

International students often encounter problems carrying out routine operations like registration for classes, looking up schedules or applying for examination sessions, because in the past all such agendas were shown only in Czech. The first of three stages of translating the IS MU into English got underway in 2005. Students' and teachers' applications and the Catalogue of Courses were completely translated

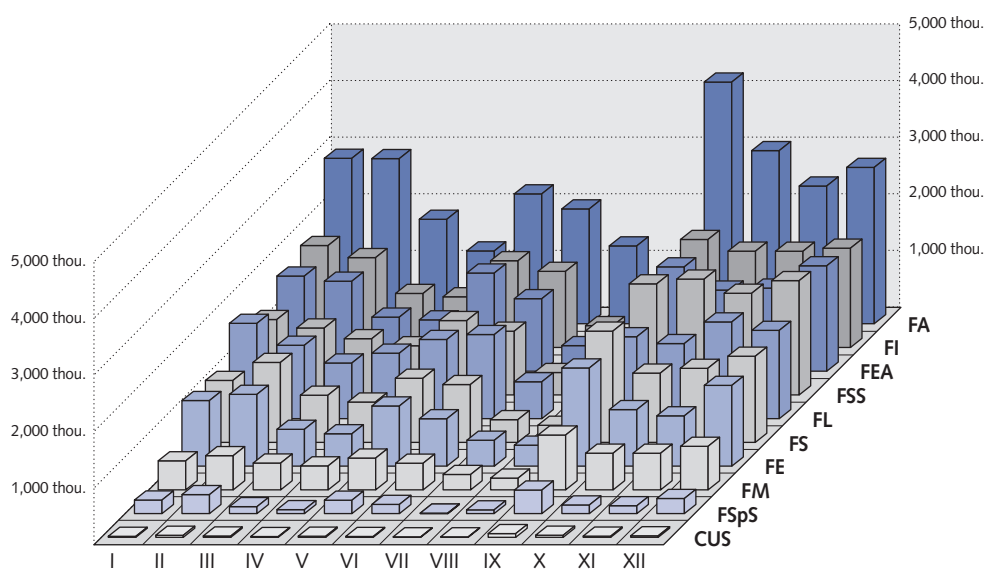
Translation is served by a sophisticated application menu by which individual terms or longer phrases or sentences, which are linked to overview applications where the term is used in the appropriate context, can be translated in the most precise way.



Moreover, in 2005 a dictionary of terminology was introduced. The dictionary continues to grow, as English terminology is developed in the course of the translation to match university terminology. The dictionary of terminology is considered an authoritative source, and is thus available to all authorized users for their studies and academic purposes.

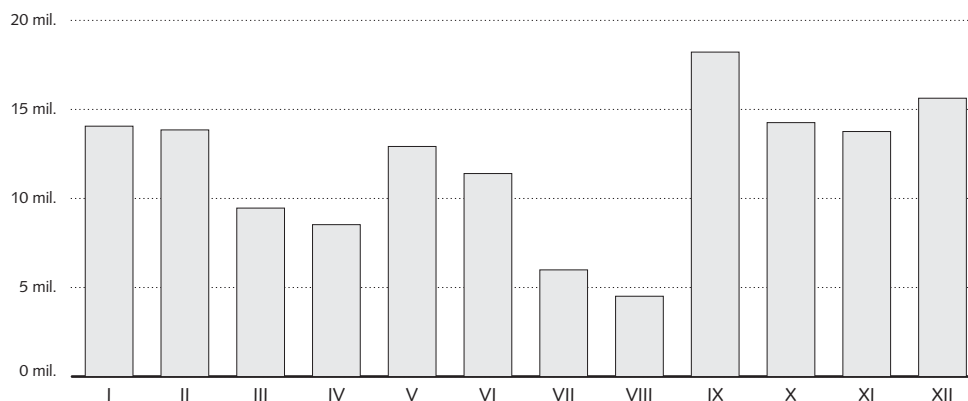
The translation of the IS MU into English is a three-year program, so within the next two years we can expect the rest of the complete English version.

Graph 1 Use of MU Information System in 2005



Months of the year are shown horizontally, number of opened web pages at is.muni.cz in the individual months vertically. Only authorized accesses are shown, by individual faculty.

Graph 2 Total number of authorized accesses for individual months (2005)



Providing Information in Accordance with Act No. 106/1999

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The Freedom of Information Act (henceforth only “the Act”)

As Masaryk University in Brno is a public institution of higher learning, providing information is one of its most important (and in some areas most frequent) activities. The great bulk of the information provided was requested in person from MU employees in view of these individuals’ responsibility for areas in which the information was requested; therefore, in accordance with Section 13 of the Act, no record is made of these requests.

For the submission of written requests for information, rules were drawn up in accordance with paragraph 5 (1) b) of the Act, and can be found at <http://www.rect.muni.cz/statut/postinf.htm>. During 2005, 302 written requests for information were submitted in this manner.

In eight cases the requested information was outside the competency of MU, and those who had made the requests were so informed. In 195 cases the requests were for information already made public by MU; in these cases, the internet addresses where the requested information could be found were supplied. In 99 cases the requested information was prepared and given to those who had requested it within the legal time period.

During 2005 no appeals were submitted to any decision to reject an application for information. During 2005 there were no court cases against MU dealing with any possible refusal of information according to the Act. Likewise during that period, neither MU nor any of its employees were sanctioned in any way for failure to observe the Act.

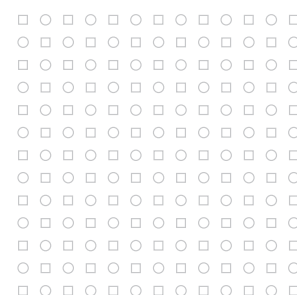




Photo Gallery

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Official launch of *muni.cz* at the Masaryk University Ball – 28 January 2005 in Besední dům, Brno



Beginning the construction of the Czech scientific station in Antarctica on James Ross Island – early 2005 (Masaryk University represented by Pavel Prošek, prime initiator of the project)



Official opening of the completely renovated building of the Faculty of Social Studies on Joštova street, 19 September 2005



Concert by Barbara Maria Willy and Jiří Bárta to mark the beginning of the 2005/2006 academic year, held in the atrium of the Faculty of Social Studies, 19 September 2005





Official opening of the first stage of construction of the University Campus at Brno-Bohunice, with the participation of Janez Potočník, European Commissioner for Science and Research



Garden Festival, with an exhibition of statues by Jaromír Gargulák – Botanical Garden of the Faculty of Science, 6 September 2005



Bulgarian President Georgi Parvanov, presented with the Great Gold Medal of Masaryk University by the Rector of MU, Petr Fiala – Masaryk University Great Hall, Faculty of Law, 27 September 2005



Official opening of the Information Centre in the Faculty of Science complex, 21 November 2005



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