



MASARYK UNIVERSITY



ANNUAL ACTIVITY REPORT

2021



MASARYK UNIVERSITY

ANNUAL ACTIVITY REPORT

2011

The cover and chapter title pages feature details
of the stained glass ceiling in the great hall
of the Faculty of Law of Masaryk University,
designed by František Kysela.
Photographs by Aleš Ležatka

© 2012 Masaryk University

Foreword	5
The University in 2011	7
The University in Numbers in 2011	9
Key Events in 2011	10
1 Educational Mission and Student-Oriented Approach	17
1.1 Degree Programme Profiles and Study Demand	18
1.2 Doctoral Studies	20
1.3 Lifelong Learning	20
1.4 Quality Assurance Mechanisms	21
1.5 Project Activities in the Area of Educational Offer Development and Associated Services	22
2 Internationalization	23
2.1 Degree Programme Openness and Offer of Studies in Foreign Languages	24
2.2 International Student and Academic Employee Mobility	24
3 Social Responsibility and Openness in Education	27
3.1 Access to Education for Disadvantaged Groups	28
3.2 Scholarship Policies, Recognition of Talented Individuals and Collaboration with Secondary Schools	29
3.3 Student Advisory Services	30
4 University Research Profile	31
4.1 Providing Optimal Conditions for Research and Research Support	32
4.2 Research Infrastructure and Developments in Collaboration	33
4.3 Qualification Development and Academic Employee Structure	34
5 Innovation and Technology Transfer	35
6 External Communication	37
6.1 Communication with Prospective Students and Graduates	38
6.2 Public Image and Prestige in the Academic Environment	38
7 Strategic Partnership Network, Collaboration with the Application Sector and Employability	41
7.1 Central European Institute of Technology	42
7.2 Graduate Employability	42
7.3 Collaboration with Regional Institutions	43
8 Institutional Efficiency	45
8.1 Financial Control	46
8.2 Economic and Financial Management	46
9 Employees and the Work Environment	49
10 Infrastructure and Corporate Services	51
10.1 Investment Programme Implementation	52
10.2 University Campus Bohunice Development	52
10.3 Subsidized Investment Development	53
10.4 Student Services	53
11 Information Systems	55
11.1 Information Infrastructure Development	56
11.2 Masaryk University Information System	56
11.3 Masaryk University Libraries	57
11.4 Masaryk University Archives	58
11.5 Provision of Information pursuant to Act No. 106/1999 Coll. on Free Access to Information	58
12 MU Faculties in 2011	59
List of Abbreviations	69



Foreword

2011 was a breakthrough year for Masaryk University. This is by no means due to my attaching any exaggerated importance to changes in university management, which were in fact carried out in a spirit of continuity and positive development and in line with the university's long-term aims. These may be characterized as the result of long-standing consensus among the academic community regarding key university objectives and as such are hardly the outcome of a choice made by the rector.

The ground-breaking moment I allude to is a fact which is reflected in statistics included in this annual report: in 2011, for the first time in two decades, the number of students at our university has stopped growing. After years of internal debate regarding the ideal size of the university, the ever-growing number – considered by many for several years to have already surpassed optimal proportions with respect to both spatial and teaching capacity – has finally been capped, stopping at a count of 44,000 students. The increase in student numbers in the past five years was taking place in adverse financial conditions, during a period of gradual reduction of the amount of funding annually assigned by the state on a per student basis. In other words: we were expanding at the expense of study quality.

Experience with such developments as well as with the current turnaround is invaluable and must be preserved in the university's memory, especially as it is also associated with a number of component issues and factors influencing institutional operation: experience with the effects of massive popularization of higher education, experience with the inertia inherently involved in the operation of large organizations and in overcoming one's own stereotypical approaches and experience with the university's growing negotiating power and its responsibilities to both students and the public. The university has changed dramatically since the 1990s, growing from a small and isolated institution into an increasingly respected university striving to achieve a prominent position in the international university context. However, the end of quantitative growth in terms of student numbers is hardly the end of dramatic internal changes, quite the contrary. We can withstand international competition only in case we manage to significantly improve the quality of teaching and research, attract high-quality researchers and teachers from the

Czech Republic and abroad, offer superior study conditions to talented and motivated students and, at a time of demographic decline, manage to attract the very best – both Czech and international – students.

The direction these changes are now taking is outlined in the *MU Strategic Plan 2011–2015*, which first came into effect in 2011. Its implementation is described in detail in this annual report. What this report does not mention are the outward-oriented activities which characterize the university's position in 2011, including an unsuccessful attempt to reform higher education legislation, a growing state-imposed bureaucratic burden arising from the predominance of project-based financing in higher education and the unwillingness of the state to support the differentiation of public higher education by reforming its funding policies. Nevertheless, leaving all external matters aside, the account presented by this annual report is overwhelmingly positive, an outcome for which I would like to thank the entire Masaryk University academic community.

Mikuláš Bek
Rector



J. A. KOMENSKÝ

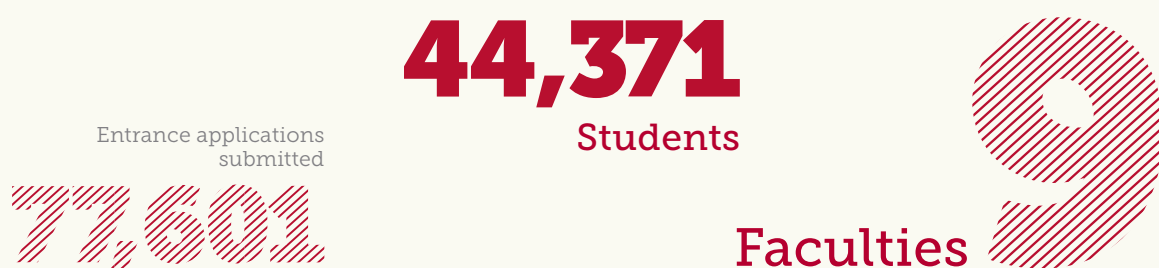
TOBĚ, NÁRODE ČESKÝ,
NA ROZŽEHNANOU
OD HOSPODINA
BOHA TVÉHO,

STY PŘECE BYL
A ZŮSTAVAL
LESTÍ FOSTOLCI,
LIV HORKOSII
LNILI TEBE



The University in 2011

The University in Numbers in 2011



Key Events in 2011

New University and Faculty Management

1

Mikuláš Bek Succeeds Petr Fiala as Rector

Mikuláš Bek, former Vice-rector for Strategy and External Relations, was elected Rector of Masaryk University and thus succeeded Petr Fiala, whose second term had come to an end and who was therefore unable to run for the post again. The Rector was duly elected by the MU Academic Senate and subsequently appointed by the President of the Czech Republic.

2

New Deans Appointed at Two Faculties

Since September 2011, the Faculty of Informatics has been led by Michal Kozubek (replacing Jiří Zlatuška) while the Faculty of Social Studies has been headed by Břetislav Dančák.

At the Faculty of Law, Naděžda Rozehnalová was elected by the academic senate to a period ending in March 2015 while Josef Tma was elected to a second term as dean of the Faculty of Education and is scheduled to occupy this post until January 2015.

Academic and Student Accomplishments

3

Gold Medal of the President of the Czech Republic Awarded to Petr Fiala

The Gold Medal, i.e. the highest presidential award, was presented to Petr Fiala; the medal was conferred on the former Rector by President Václav Klaus in August 2011 on the occasion of the end of his second term as head of Masaryk University.

4

University Awards Presented to Exceptional Researchers and Students at Dies Academicus

Notable educators and scientists as well as outstanding academic and student projects were recognized at the traditional Masaryk University Dies Academicus festival. The Gold Medal, i.e. the highest possible award, was presented by Rector Petr Fiala to Pavel Materna, one of the founders of Czech modern logic, and to Marie Krčmová, a prominent figure of Czech studies. Furthermore, Josef Havel was awarded a medal for his contribution to the development of analytical chemistry at the Faculty of Science.

5

Ministerial Award Presented to Masaryk University Student in Recognition of Leukaemia Research

Marek Mráz, a doctoral student of Oncology at the Faculty of Medicine, has already received a number of awards in recognition of his research efforts. His most recent award was presented by Josef Dobeš, minister of education of the Czech Republic, shortly before his departure on a long-term research stay in the United States.



Infrastructure Developments Financed by European and Norwegian Funds

1

CEITEC

A joint venture launched by Masaryk University, Brno University of Technology and other Brno-based universities and research institutions has secured 5 million CZK in funding for the development of CEITEC, a unique scientific centre. The project, part of the Research and Development for Innovation Operational Programme, was approved by the European Commission in June.

2

CERIT

The CERIT project was also given the green light; planned developments include the construction of a business incubator and a science and technology park. The CERIT Scientific Cloud (CERIT-SC) supercomputing centre, which forms a part of the project, has already commenced operation.

3

CESEB

The Ministry of Education approved a project proposal seeking funding from the Research and Development for Innovation Operational Programme, thus facilitating the establishment of the Centre for Experimental, Systematic and Ecological Biology (CESEB).

4

University Centre Telč Opened

Following a large-scale renovation of the former Jesuit College complex, Masaryk University successfully opened University Centre Telč. The new complex – housing state-of-the-art lecture halls and accommodation – first began hosting university events and activities in April. The entire two-year-long renovation process cost over 145 million CZK and was carried out with the support of EEA and Norway Grants.

5

CARLA

The Centre for the Advancement of Research in the Liberal Arts (CARLA) project, seeking funding from the Research and Development for Innovation Operational Programme, was approved and will thus enable the long-awaited renovation of the Faculty of Arts complex.

6

CVIDOS

The Centre for Research Institutes and Doctoral Degree Studies (CVIDOS) project was launched in late 2011 with the goal of establishing research infrastructure at the Faculty of Education. The project has secured funding from the Research and Development for Innovation Operational Programme.

Science, Research and Technology Transfer

7

New Patents in Medicine and the Natural Sciences

A team of researchers based at the Faculty of Science patented an innovative process facilitating the analysis of metals dissolved in liquid samples. Scientists from the Faculty of Medicine patented an efficient method of recurrent lymph node tumour detection based on the localization of two linked chromosomes in a blood sample.

8

Contribution to Human Embryonic Stem Cell Research

Experts from the Faculty of Medicine have contributed to discovering the nature of changes occurring in human embryonic stem cells during their propagation in laboratory conditions. The thorough understanding of changes resulting from the artificial cultivation of such cells is of paramount importance with respect to their application in the treatment of various diseases.

9

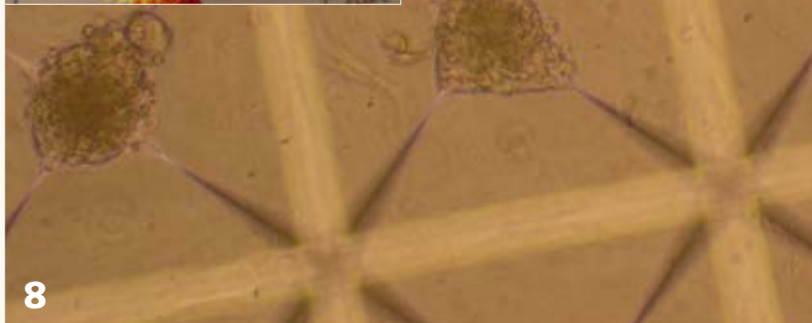
International Computer Network Security Accreditation

A team of Masaryk University experts responsible for computer network safety obtained international accreditation. The CSIRT-MU team, primarily tasked with resolving security incidents in the university computer network, became the first accredited university team not only in the Czech Republic but in all of the Visegrad Group countries.

10

Online Encyclopaedia of the Czech Language in the Making

An international team led by Masaryk University researchers began to compile an online encyclopaedia of Czech. The online portal – designed to serve both researchers and the general public – is to provide information about various aspects of the Czech language, ranging from history, theory and trends to disappearing dialects and body language.



The University and Society

1

Great Gold Medal of Masaryk University Awarded to Prince of Liechtenstein

The Great Gold Medal of Masaryk University was presented to Prince Hans-Adam II of Liechtenstein in April during his visit to the Faculty of Arts. In addition to meeting with university representatives and Department of History researchers, the Prince also found time to attend a discussion with MU students.

2

JobChallenge

The JobChallenge job fair, organized by Masaryk University, offers employment opportunities and thesis topics as well as study and work placements for both students and graduates. In 2011, two additional institutions – Brno University of Technology and Mendel University in Brno – took part in preparing the event, currently the most extensive project of its kind in Moravia.

3

Moving Sculpture Installed on Campus

The Masaryk University campus in Brno Bohunice boasts an emerging open-air gallery. With artworks by Lukáš Rittstein, Dalibor Chatrný and Vladimír Preclík already on display, the university has recently added a new one: a moving sculpture by Pavel Tasovský entitled Blades.

4

Faculty Anniversary Marked by a Graduate Reunion

The Faculty of Economics and Administration marked two decades since its establishment by organizing a reunion for its graduates, complete with lectures and tours of the premises. On the occasion of the anniversary, the renowned economist Osvald Vašíček was awarded a Masaryk University Gold Medal for his long-term contribution to students.

5

New Gallery Opened at the Faculty of Education

A photo exhibition entitled A Little Bit of Humour opened a new gallery space at the Faculty of Education; the Horizontal Eight Gallery will focus primarily on the presentation of student photographic works.

6

Unigames, a New Interfaculty Tradition

The first annual faculty tournament, featuring a range of remarkable disciplines, may have sparked the emergence of a new tradition. In addition to providing their peers with fun activities, the student organizers also focused on facilitating interfaculty connections.

7

Čechomor in Concert

A concert by the renowned Czech band Čechomor marked the anniversary of the university's founding in 1919. The concert was attended by hundreds of spectators who managed to fill the grandstand of the new Faculty of Sports Studies sports hall.







Educational Mission and Student-Oriented Approach

1.1

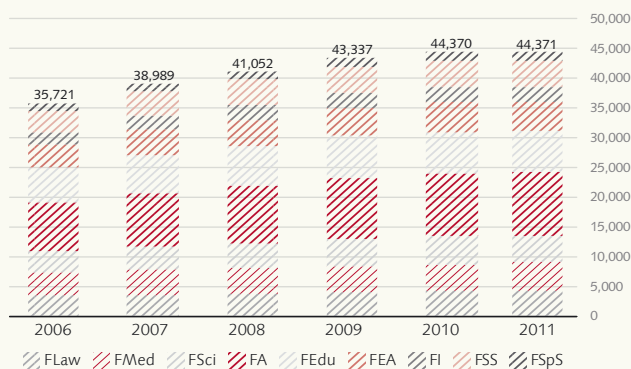
Degree Programme Profiles and Study Demand

Degree programme development at most MU faculties is progressing in accordance with the outcomes of a minute analysis of currently available degree programmes, with respect to demand on the part of prospective students and in view of the needs of Czech society. Current trends emphasize the importance of interdisciplinary studies which transgress boundaries set out by traditionally delimited fields of study and focus on providing a common background in Bachelor's studies. In accordance with these trends, the Faculty of Law has launched new fields of study in the Legal Specializations programme – International Commercial Law Studies and Commercial Law Studies – whose graduates will find application in commercial legal practice, tax advisory services and international trade.

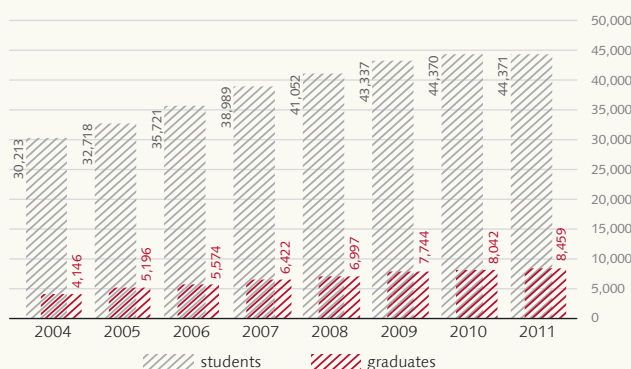
The already extensive Economics field of study was expanded to offer studies incorporating a range of areas, resulting in combinations such as Economics and Applied Mathematics for double-subject Bachelor's and Master's studies at the Faculty of Science. While the Faculty of Science has launched the practically-oriented Nanotechnology – Applied Physics Bachelor's field of study, students at the Faculty of Arts now have the opportunity to enrol in the Ancient History Bachelor's field of study as well as in several Master's fields including Literary and Interculture Communication and Czech Language with Orientation on Computational Linguistics. The Faculty of Social Studies now enables prospective students to study single-subject Journalism as a combined Bachelor's field of study as well as offering unique fields such as International Relations and Energy Security in full-time Master's study mode in both Czech and English. Double degree programmes are also on the rise at MU, especially in the area of doctoral studies.

Summer schools are traditionally held at many Czech universities and Masaryk University itself is a staunch supporter of this tradition, having organized more than ten such events in 2011. In addition to the popular Summer School of Slavonic (Czech) Studies, held by the Department of Czech for Foreigners for the 44th time in 2011, and the broad range of activities offered by the Office for International Studies, including four programmes and two summer schools held in collaboration with the University of Toronto, a number of other faculties and units also participated in extending their offers. Summer schools were organized e.g. by the Department of Sociology (FSS), Department of the History of the State and Law (FLaw), Research Centre for Toxic Compounds in the Environment (FSci) and Department of Public Economics (FEA), which focused – in turn – on issues such as memory, culture and identity, environmental chemistry and ecotoxicology, private law throughout history and non-profit studies, etc. Interdisciplinary and even interuniversity summer schools such as the medical and legal summer school attracted a large number of students. The second annual Winter Programme on International Law and Human Rights, organized by the Office for International Studies in cooperation with the Faculty of Law in January and February 2011 was highly praised

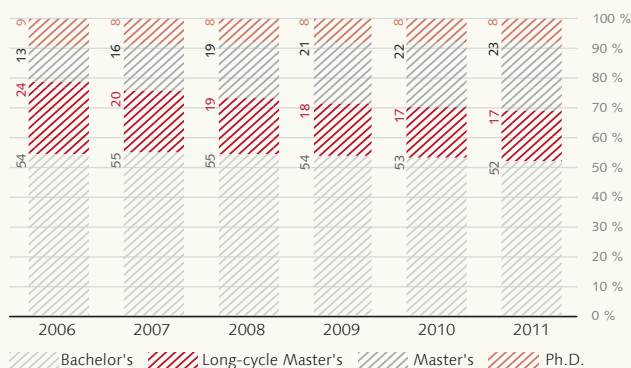
Graph 1 Student Numbers at MU (2006–2011)



Graph 2 Student and Graduate Numbers at MU (2004–2011)



Graph 3 Student Numbers According to Degree Programmes (2006–2011)



by participants, including many students of prestigious Australian universities who attended the course during their own summer vacation.

Scholarship programmes announced by individual faculties on an annual basis are designed to provide support for creative student activities. Moreover, MU students are also invited to participate in the operation of the Career Centre and the University Advisory Service and in the preparation of the JobChallenge career fair, which supplies students with links to the application sector and offers future employment opportunities. The Masaryk University Rector's Programme provides Master's students with yet another source of support, especially with respect to research associated with their diploma theses: approximately a dozen research projects are funded this way every year. Not only do students

1.1

Degree Programme Profiles and Study Demand

receive independent research funding, they also learn basic grant application strategies. The annual Rector's Awards motivate students to excellent study results and activities, frequently outside the scope of their studies.

In addition to the implementation of accredited degree programmes, Masaryk University also participates in the process of recognition of international university education and qualifications as specified by the Higher Education Act.

The overall trend in this area has been a rising one: the university received 583 applications for the recognition of Bachelor's, Master's and long-cycle Master's studies in 2011, up by 39 % in comparison with 2010. A total of 363 certificates recognizing university education were issued and 154 applications were rejected. Eight further applications were submitted in connection with doctoral degree programme recognition; six applications were accepted and two proceedings were prematurely terminated. In 2011, Masaryk University successfully transformed a website section targeting international applicants: all relevant information is now conveniently available in both Czech and English.

Graduates of Masaryk University in Brno, University of Jan Evangelista Purkyně in Brno, the Teacher Training College in Brno and the Teacher Training Institute in Brno and Jihlava who had completed their university studies prior to 1 July 1990 but failed to receive any academic title owing to earlier regulations, were issued certificates granting the academic title of "magistr". Although over a thousand applications per year were processed during the 1990–2000 period, only a total of 62 certificates were issued in 2011.

Providing potential applicants with the necessary support is a key university concern. In addition to operating a specialized website dedicated to prospective students, MU applicant services also include a constantly updated social network profile, automatic field of study search engine, electronic application form and the MU Shopping Centre which allows prospective students to pay for entrance applications online. While all information relevant to the admission procedure is available online, applicants may also inquire about any related issues at a dedicated e-mail address (prihlaska@muni.cz), which is serviced year-round, or via a moderated discussion forum.

Educational trade fairs showcasing study opportunities at Masaryk University are held annually in Brno, Prague and Bratislava. The Slovak capital also doubles as an MU entrance examinations location. The learning potential test (LPT) is the unified form of entrance examination used at all faculties apart from the Faculty of Medicine and Faculty of Social Studies. Faculties may supplement the test with field-specific tests or – as is the case at the Faculty of Sports Studies – a practical entrance examination. A great deal of emphasis is placed on absolute transparency throughout the entire admission process: immediately after assessment, candidates may make use of the electronic application tool to access the test itself as well as the key, the results and even a scanned copy of

their own answer sheets. Masaryk University has also developed an e-learning LPT preparation course, available free of charge on the university website. MU thus aims to offer a level playing field to all applicants, providing socially disadvantaged applicants with the opportunity to take part in high-quality training. A discussion forum intended solely for applicants is another useful tool: the forum provides space for discussing the tests themselves as well as for addressing administrative issues relevant to the entrance application. A total of 3,229 discussion forum contributions were registered in 2011.

Study Statistics:

- » 44,371 students were enrolled in diploma studies at Masaryk University (31 October 2011).
- » 22,938 students were enrolled in Bachelor's degree programmes, 17,905 in Master's degree programmes and 3,528 in doctoral degree programmes.
- » 6,114 international students account for 13.7 % of the entire student population.
- » 8,459 graduates successfully completed studies at Masaryk University in 2011.
- » 4,053 students successfully graduated from a Bachelor's degree programme, 4,092 from a Master's degree programme and 314 from a doctoral degree programme.
- » 6,246 students graduated from full-time degree programmes. 2,213 students graduated from combined studies.
- » The number of students graduating from Masaryk University rose by 5.2 % in comparison with 2010.

A record-breaking total of 77,601 entrance applications were submitted in all Bachelor's, Master's, long-cycle Master's and doctoral degree programmes in the 2011/2012 academic year. A total of 21,265 applicants were accepted and 17,324 subsequently enrolled. While the most sought-after faculties were the Faculty of Arts (15,826 applications) and the Faculty of Social Studies (12,400 applications), several faculties experienced a substantial interannual increase in the number of submitted applications, especially the Faculty of Education (10,773 applications, up by 1,682 over 2010), Faculty of Economics and Administration (10,262, up by 741) and Faculty of Medicine (8,251, up by 760).

The character of education offered at MU is complemented by a number of additional facilities and services developed and maintained by the university. These include e.g. advanced career, work and psychological student counselling, an assistance centre for disabled students, an international educational centre and an ICT centre tasked with managing the MU Information System and developing applications designed to enhance the student experience.

1.2

Doctoral Studies

In comparison with other types of studies, doctoral degree programmes place a great deal of emphasis on individual students' creative activity; nevertheless, they remain a part of the system of structured studies and share a number of elements with Master's degree programmes. Masaryk University's nine faculties currently offer nearly 60 doctoral programmes. Both the credit system and credit accumulation principle are naturally used to track MU doctoral students' progress. Special courses have, however, been introduced in connection with the unique nature of doctoral studies: courses available outside a given student's field and specialization. Such special courses tend to provide a flexible credit value, thereby enabling students to set up personalized study plans.

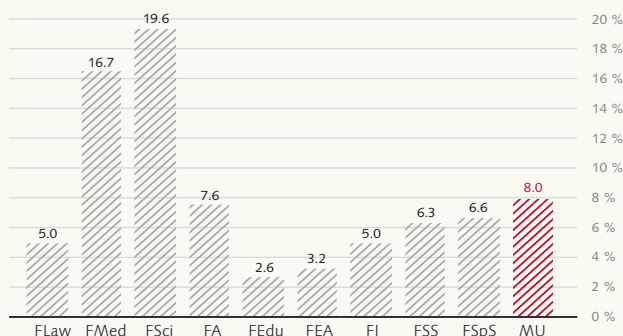
In case a student passes the prescribed compulsory subjects at another university, either in the form of a double doctoral degree or individually, he or she may subsequently apply and – if granted the right to do so – finish studies according to the regulations of the so-called European Doctorate.

Research activity forms an inseparable part of doctoral studies at MU and Masaryk University doctoral students are either deliberately integrated into research projects or may become regular members of large research teams working on long-term research plans, at research centres, or at primary research centres. Over 3,500 doctoral students are currently studying at Masaryk University, accounting for roughly 8 % of the overall student population. This percentage is one of the criteria which help define MU as a research university. At several faculties, namely the Faculty of Science, Faculty of Medicine and Faculty of Arts, the doctoral student population exceeds 20 % of the overall number of students.

Since 2010, creative activities – and especially those performed by doctoral students – have been eligible for the Student Project Grant. In 2011, the total available funding for this competition stood at 116.17 million CZK, distributed among the Rector's Programme for Students' Creative Activities Support, specific university research projects and student conferences. A total of 141 projects received financial support, including 14 student conferences.

Facilitating doctoral degree programme openness is a priority for Masaryk University, especially with respect to providing international students with access to degree programmes taught in Czech as well as focusing on the expansion of programmes taught in foreign languages and especially in English. Indeed, most doctoral programmes and fields of study have already received foreign language accreditation. In order to attract international applicants, the university is focusing on streamlining the doctoral studies admission procedure (especially its terms and conditions) and providing counselling and administrative support prior to and throughout the course of studies. The existence of scholarship and bursary programmes may likewise be considered a significant asset. The university is using all available mobility programmes to assist outgoing students travelling abroad – i.e. students participating in dissertation

Graph 4 Doctoral Student Numbers by Faculty



research, laboratory work or international research team placements – and to help incoming international doctoral students from all over the world. MU is likewise focusing on increasing the number of international academic workers: their presence is viewed as a decisive internationalization factor, and, more importantly, as an element positively influencing the quality of studies.

Rector's Award for an Outstanding Doctoral Thesis:

- Jan Sedmidubský**, FI, Self-organizing Similarity Search: The Social Network Approach
- Jana Kotašková**, FMed, Gene Expression Analysis of Malignant Cells Using DNA Microarrays
- Zuzana Holubcová**, FMed, Centrosomal Abnormalities in Human Embryonic Stem Cells
- Kateřina Maliňáková**, FSci, Solution- and Solid-State NMR Parameters: Applications in Structural Chemistry
- Jana Přecechtělová**, FSci, Torsion Angle Dependence of ³¹P NMR Parameters in a Nucleic Acid Backbone Studied by Density Functional Theory

Rector's Award for the Best Students in Doctoral Programmes:

- Anna Ševčíková**, FSS, Social Psychology
- Iva Mozgová**, FSci, Molecular and Cellular Biology
- Silvie Luisa Brázdilová**, FI, Informatics
- Monika Všianská**, FSci, Material Chemistry
- Lukáš Krmíček**, FSci, Geology

1.3

Lifelong Learning

Lifelong learning at Masaryk University covers a diverse range of educational activities in terms of both course duration and content. While accredited degree programmes and professionally oriented supplementary, specialized and retraining courses account for the majority of such activities, lifelong learning at MU also includes the University of the Third Age, founded

1.3 Lifelong Learning

in 1990 and dedicated solely to the education of senior citizens. All programmes are open to participants with sensory or other disabilities. Lifelong learning at MU continued to develop throughout 2011, with all nine faculties and the Rector's Office successfully implementing 691 programmes with a combined total of 27,767 participants attending full-time, distance or combined studies. Selected lifelong learning programmes taught in 2011 were assigned credit values while ongoing activities such as the upcoming validation of existing international programmes as well as the preparation of entirely new programmes validated by foreign universities (e.g. Nottingham Trent University) likewise continued to expand.

In 2011 the University of the Third Age successfully organized educational activities for approximately 1,900 senior citizens. In addition to forging new partnerships with the Moravian Museum and Moravian Library, the U3A also managed to organize a number of unique lectures in 2011, with guest appearances e.g. by abbot Evžen Lukáš Martinec, sociologist Jiřina Šiklová, translator Antonín Přidal, astrophysicist Jiří Grygar and former diplomat Jiří Gruša. A group of U3A participants took part in developing the Celebrio operating system in cooperation with students of the Faculty of Informatics. An ongoing exchange programme with Leipzig University enabled 15 German seniors to visit Brno and Telč during a week-long exchange project in July. MU issued a publication about the history of U3As at Czech universities and co-organized an exhibition of photographs and paintings at the Leipzig campus. A semester-long course held at the University Centre Telč drew 64 participants: Life as an Assignment offered a lecture cycle which addressed topics from aesthetics and ethics to anthropology, biology, the social sciences and theology. A long-term course entitled From Prehistory to Early Modern Times: Archaeological Perspectives entered its fifth semester and was attended by 47 participants. The development of new courses remained a priority throughout 2011.

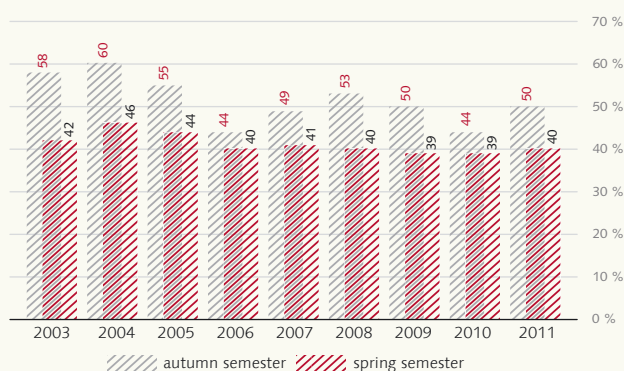
In 2010, Masaryk University – with the support of the Ministry of Education, Youth and Sports – established an entirely new independent unit: the Centre of Civic Education (CCE). Its mission is to locate significant civic education issues and develop ways of presenting them to the general public. In 2011 the CCE thus successfully organized nine courses for nearly 80 teachers from 13 regions, largely with the support of the ECOP Civic Education in Primary and Secondary Schools project. Teachers were invited to develop the concept of civic education as a self-contained educational programme designed to expand the active, responsible and informed participation of students in a social setting. The CCE also continued its efforts focusing on the production and evaluation of a set of 100 didactic lessons intended for public presentation on the project website. In addition to activities funded by ECOP, the CCE was also tasked by the Representation of the European Commission in the Czech Republic with the schooling of 280 secondary school teachers in issues associated with the EU.

1.4 Quality Assurance Mechanisms

Throughout 2011 Masaryk University continued to focus on the further development of internal quality assurance and evaluation mechanisms, in particular thanks to the establishment of a new unit at the MU Rector's Office: the Academic Qualifications and Quality Office. As in previous years, the university continued to implement a development project focusing on the internal evaluation of fields of study. The project aims to integrate the evaluation of individual fields into a university-wide internal quality assessment framework. An IS MU application tracking quantitative data at field level has been developed as a prerequisite for transferring the implementation of the evaluation process to individual faculties. The preparation of a new field of study internal evaluation methodology guide was launched at the end of the year in connection with the establishment of new conditions governing the content of degree programme accreditation applications (institutional standpoint regarding the outcome of the internal evaluation of field of study quality). The university is also preparing the introduction of a periodic evaluation of all fields of study offered at MU, including fields offered in doctoral degree programmes.

As in previous years, Masaryk University once again focused on institutional research. The evaluation of studies by students and graduates is considered a significant quality control element, especially as it reveals how disparate target groups perceive the educational opportunities offered by the university as well as the image of the university as a whole. Several sociological surveys were held during the course of the academic year, including the Recent Graduate Survey and the Graduate Placement survey, both of which provide information about long-term trends in graduates' satisfaction concerning the education they received as well as their success on the job market shortly before and in the first two years after graduation.

Graph 5 Course Opinion Poll Rate of Return (2003–2011)



1.4 Quality Assurance Mechanisms

The Freshmen Survey, conducted among first-year students every two years since 2007, is designed to map the expectations and motivation of students freshly enrolled at Masaryk University. Students are invited to express their motivation and expectations regarding university studies by means of an electronic questionnaire in the IS MU. Among other results, the outcomes of the December 2011 survey indicated that students choose to study at Masaryk University mainly due to the opportunity to enrol in a field they are truly interested in and because they consider MU to be a prestigious institution. The following aspects are generally perceived as the university's most significant assets: electronic study support, wide range of courses on offer, high-quality teaching carried out by competent teachers and well-equipped and technologically advanced libraries.

On the course level, it is the student evaluation of teaching which serves as one of the most important mechanisms for monitoring quality. Masaryk University students have the opportunity to express their opinions regarding course quality by means of the course opinion poll – a survey conducted at the end of each semester. The course opinion poll invites students to evaluate seven aspects: course attractiveness, usefulness, difficulty, the amount of effort required for preparation, resource availability, teacher competence and manner of teaching.

The next step in quality assurance is the involvement of Masaryk University in the European University Association Institutional Evaluation Programme, which includes the production of a self-evaluation report designed to provide an evaluation of MU activities in various areas and compiled by representatives of all component parts of the university. The evaluation process is scheduled for completion in 2012 with the submission of an external evaluation report compiled by a group of international experts following two separate visits at MU.

1.5 Project Activities in the Area of Educational Offer Development and Associated Services

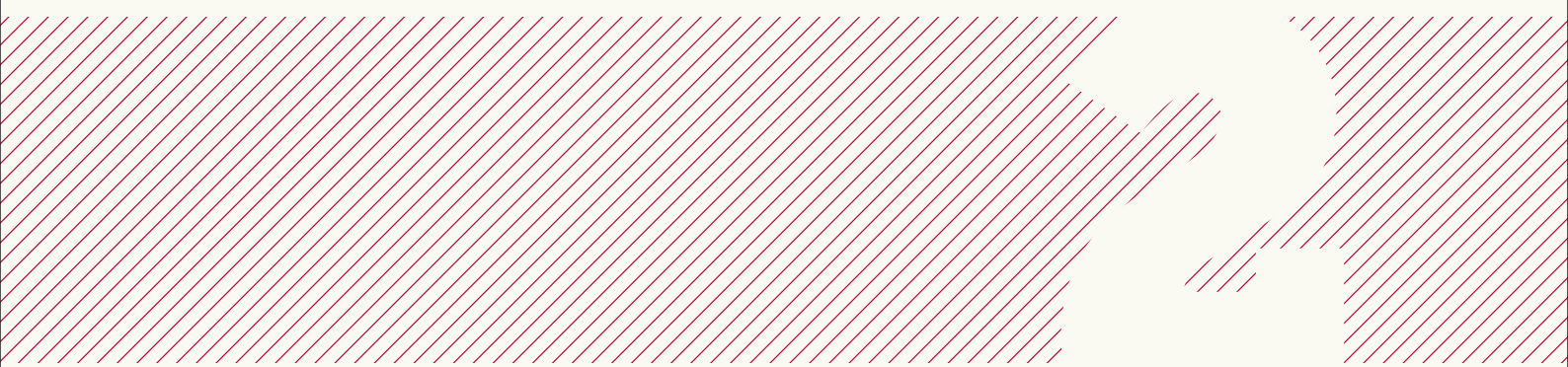
Masaryk University managed to secure 1.8 billion CZK in project funding from the Education for Competitiveness Operational Programme for a total of 54 projects. By the end of 2011, the university had thus acquired a sum total of 2.8 billion CZK for a grand total of 140 projects.

Broken down by individual economic units, the most extensive financial resource allocations targeted the Faculty of Arts (225.7 million CZK), Faculty of Medicine (218 million CZK), Faculty of Science (206.6 million CZK) and CEITEC (205.7 million CZK).

With respect to individual projects, the largest sums were allocated to a university-wide project designed to provide recent doctoral studies graduates with employment opportunities (197.6 million CZK), an FSS project supporting internationalization, innovation and practical social sciences education for the 21st century (89.8 million CZK), a FEA project for the innovation of studies in economic sciences (84.4 million CZK) and an SC-SSN project seeking the development of an expert unit network promoting inclusion in higher education (83.3 million CZK).

The Higher Education Development Fund contributed a total of 15.790 million CZK to 97 projects, including six category A projects providing funding for university unit equipment, one category C project in support of counselling units, 23 category G projects in support of doctoral students working on innovative educational activities and 67 category F projects targeting course innovation.

MEYS development projects were implemented at MU in accordance with the 2011 MU strategic plan update. Masaryk University was involved in 12 decentralized projects with an overall budget of 96.9 million CZK (16.9 million CZK in investment and 80.0 million CZK in non-investment resources). MU also acquired financial support for 10 centralized projects in a total amount of 40.8 million CZK (8.3 million CZK in investment and 32.5 million CZK in non-investment funding).



Internationalization

2.1

Degree Programme Openness and Offer of Studies in Foreign Languages

Masaryk University is the holder of the ECTS Label and the Diploma Supplement Label. These certificates are testimonials of the university's observance of the ECTS credit system and its readiness to send students abroad and to accommodate international students. Incoming students are provided with comprehensive administrative services to ensure that acquired credits and educational achievements are correctly transferred to their home universities. In 2011 the university also implemented new internal regulations governing the recognition of education acquired abroad and commenced the gradual automation of associated administrative processes in the MU Information System.

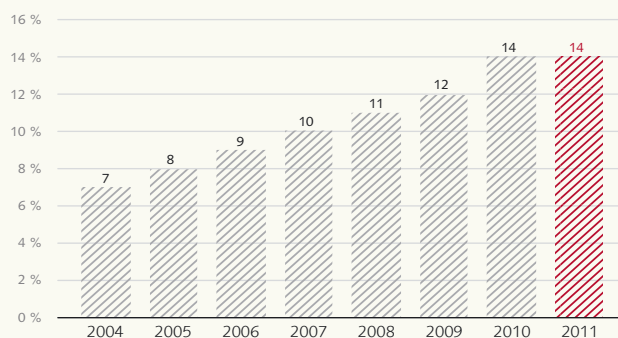
A number of fields were newly accredited in English in 2011. Although some new additions are to be found on the Bachelor's and Master's level – e.g. English Language and Literature (FA), most of the newly accredited fields concern doctoral studies: English Linguistics (FA), Literatures in English (FA) and Education (FEdu). The university also offers validated programmes in the form of life-long learning: Master of Public Administration and LL.M. in Corporate Law (FLaw). Over 90 degree programmes are thus currently accredited in a foreign language.

Scholarship policies applicable to international students from outside of the EU are being developed in co-operation with the South Moravian Centre for International Mobility.

Degree Programmes Accredited in Foreign Languages by MU Faculty:

Faculty of Law	1
Faculty of Medicine	28
Faculty of Science	12
Faculty of Arts	5
Faculty of Education	12
Faculty of Economics and Administration	19
Faculty of Informatics	3
Faculty of Social Studies	9
Faculty of Sports Studies	1

Graph 6 International Students at MU (2004–2011)



2.2

International Student and Academic Employee Mobility

Masaryk University places great emphasis on the systematic development of international collaboration with institutions in Europe and around the world. In accordance with the Internationalization Strategy 2010–2015 document, the university continued to focus on providing students and academic workers with a growing range of mobility options, developing the existing offer of degree programmes and courses taught in foreign languages and attracting international students to MU.

Key aspects of international collaboration traditionally include activities organized within the framework of European educational programmes (LLP, Erasmus Mundus, Tempus, etc.) which primarily target students as well as academic and administrative staff mobility. International mobility as such is perceived as a significant factor contributing to the quality of studies; the university is thus striving to increase the number of participating students and academics. In 2011 alone, over 1,400 outgoing students took advantage of the opportunities offered by the LLP/Erasmus programme. The administration of Erasmus mobility issues is a university priority, as evidenced by Masaryk University's victory in the national Erasmus Label 2011 contest focusing on the quality of mobility services offered by individual Erasmus programmes. The LLP/Erasmus programme was supplemented with a range of additional international mobility systems including Ceepus and Aktion and participation in international university networks such as the Utrecht Network, Compostela Group of Universities and ISEP. Mobility activities were also implemented outside of the above mentioned programmes, in particular thanks to inter-university and interfaculty agreements, MEYS quotas and tenders and freemover mobility programmes. A total of 1,847 outgoing students took part in short-term international mobility programmes, which represents an increase of 15 % in comparison with 2010.

Contacts with universities outside of the EU were developed thanks to the prestigious Erasmus Mundus programme. In 2011 Masaryk University participated in a total of 8 consortia facilitating collaboration with so-called third countries, including e.g. countries of the Middle East, Central Asia, Western Balkans, East Asia, Russia and South Africa. MU was also tasked with coordinating a consortium focusing on collaboration between European universities and Israel (project EMAIL – Academic Mobility between EU and Israel). The university's integration in the Erasmus Mundus programme may be considered a European-scale success.

2.2

International Student and Academic Employee Mobility

A significant indicator of Masaryk University's increasingly international character is the rising number of international students enrolled in full-time degree programmes. A total of 6,114 internationals were enrolled at MU in 2011. Attempts at increasing their numbers even further were boosted by active university policy in the area of marketing and promotion. A new MU website section was set up specifically for international applicants and for international agencies recruiting such applicants for both Czech and foreign-language degree programmes. MU social networking profiles targeting prospective international students were crafted and MU degree programmes advertised on online educational portals. Masaryk University is also systematically working on its presentation abroad. In 2011, this was achieved with the help of presentations at conferences and international educational trade fairs such as EAIE, NAFSA and Education Abroad, a student fair held in Ukraine.

Masaryk University Involvement in International Educational Programmes:

Number of international educational programmes	61
Outgoing students*	1,847
Incoming students*	784

* short-term mobility programmes

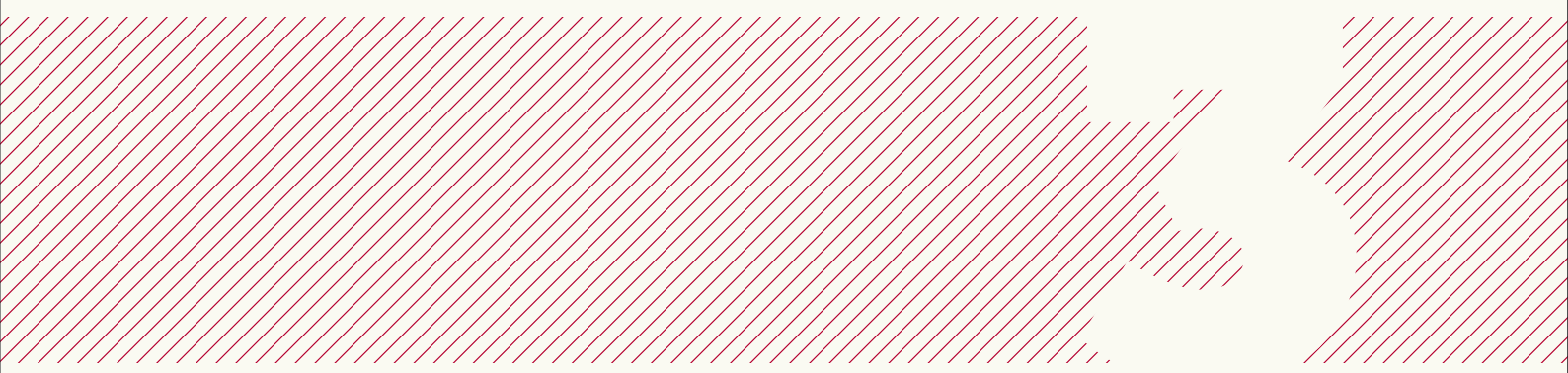
The COMPACT – Competence in Language Education at Masaryk University project (2009–2012) aims to provide a framework for creating a unified language educational system at MU according to European models, most importantly the Common European Framework of Reference for Languages. In 2011 the project resulted in the opening of the Virtual Language Centre, tasked with collecting and classifying electronic foreign-language educational materials for students, teachers and the general public.

In 2011 the Language Centre expanded its activities to include video-conference mediated instruction and extended its partnership framework to include Czech higher education institutions as well as universities in Great Britain, Finland, Spain, Belgium, Poland, Austria, Turkey and the Netherlands. The LC is also an active member of the European Confederation of Language Centres in Higher Education (CercleS) and contributes to activities of the Czech CASAJC organization as well as participating in thematic groups organized by various European language centres.

The MU Language Centre (LC) plays a key role in the implementation of the *MU Strategic Plan* in the area of language competence development. The university-wide unit is responsible for providing students with specialized and academic language education in the following languages: English, German, Russian, Spanish, French, Latin and Czech for foreigners.



JAN HUS
EST PROPR
MRT T PR AVD



Social Responsibility and Openness in Education

3.1

Access to Education for Disadvantaged Groups

The number of blind or visually impaired students at Masaryk University in the Autumn 2011 semester stood at 106 (compared to 83 in the previous year). The Support Centre for Students with Special Needs provides such students with technological services, personal assistance and spatial orientation services as well as organizing individual instruction in specialized classrooms as required. Public university libraries house 1,360 volumes in Braille and an additional 73 are available as hybrid books, a format developed at Masaryk University. In 2011 Masaryk University issued over 40,000 pages printed in Braille intended for visually impaired students at other universities and at secondary schools. Equipping study rooms with the necessary technical equipment was another prerequisite facilitating the development of new lifelong learning activities for visually impaired persons.

The number of deaf and hearing impaired students at Masaryk University rose to 106 (from 91 in 2010). As studies at all faculties may be conducted in Czech sign language, over 60 % of the Czech hearing impaired university student population has opted for studies at MU. Masaryk University currently employs five in-house and 15 part-time sign language interpreters responsible for providing interpreting assistance.

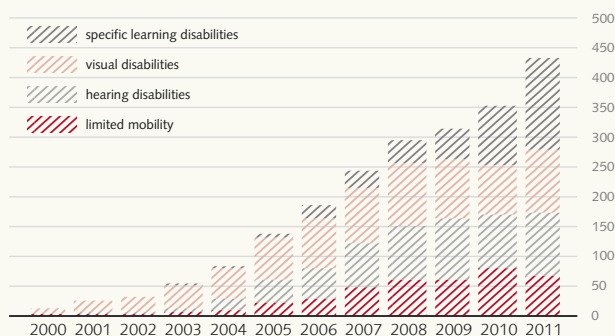
In 2011, the number of MU students with limited mobility registered a slight decrease and dropped to 66. While wheelchair access in most buildings – including historical compounds – favours the further expansion of services for persons with limited mobility, the insufficient numbers of suitable rooms at student halls of residence in combination with inadequate municipal infrastructure constitute something of a limitation. The university continued to finance parking spaces for the disabled, allowing students and teachers with limited mobility to park their vehicles in public parking places in close proximity to university premises.

The number of persons suffering from cognitive disorders, most often dyslexia, is on the rise: a total of 112 students suffered from a diagnosed learning disorder in 2011 (up from 98 in 2010). The cognitive disability type and extent of each applicant declaring a specific learning disability is examined and special attention is devoted to practising compensation strategies. An additional 44 students made use of the opportunity to structure their studies according to an individual plan, citing a psychic or chronic somatic disease.

Care for students with disabilities at all MU faculties and units is provided by the Support Centre for Students with Special Needs.

In addition to members of the student body, teachers and scientific employees working at MU in 2011 also included four visually impaired, six hearing impaired and one wheelchair-bound person.

Graph 7 Disabled Students at MU (2000–2011)



In 2011 Masaryk University was twice the object of international attention thanks to its activities in support of an equal approach to university education. The Universal Learning Design international conference was the first event to focus on the international presentation of issues associated with universal access to higher education in the Czech Republic. From a technical point of view, the conference itself embodied principles applied at MU. The event, attended by 129 participants from 23 countries, offered six parallel communication channels: spoken English and Czech, textual visualizations of spoken English and Czech, international sign language and Czech sign language.

The ICCHP Summer University on Math, Science and Statistics for Visually Impaired Students is an international workshop series addressed to blind and visually impaired students, teachers and developers of specialized electronic applications for use in mathematics and the natural sciences. In 2011 MU launched a tradition of holding the international event in all odd years. A total of 58 students from 12 countries took part in the first year of the event, receiving commendations from universities specializing in services for the visually impaired.

Since 2004, in collaboration with the Prison Service of the Czech Republic, Masaryk University has also been offering access to university education to convicts. E-learning as well as actual lecture rooms inside Prison Service facilities have enabled 20 convicts to participate in MU educational programmes.

3.2

Scholarship Policies, Recognition of Talented Individuals and Collaboration with Secondary Schools

In accordance with the MU Scholarship and Bursary Regulations, Masaryk University offers several types of scholarships: grant in support of studies in a doctoral degree programme, grant in support of creative activities, accommodation grant, grant in support of mobility, and a grant reserved for exceptional cases.

Furthermore, individual faculties also announce scholarship and bursary programmes in order to motivate, reward or support outstanding students. A total of 64 scholarship and bursary programmes were offered in 2011, including grants in support of creative and research activities; the overall sum thus disbursed by Masaryk University amounted to 22.5 million CZK. A total of 7.3 million CZK was distributed among MU students who have reached excellent study results in 2011. The annual Rector's Awards for Outstanding Students may likewise constitute a significant source of inspiration.

All in all, students of Bachelor's, Master's, long-cycle Master's and doctoral degree programmes received over 422 million CZK in scholarships in 2011.

Throughout 2011 Masaryk University also continued to award bursaries, as specified by section 91 subsection 3 of the Higher Education Act. A bursary of 1,620 CZK was paid out to 280 eligible students, amounting to a total of 4.5 million CZK.

The accommodation grant constitutes an additional source of financial assistance. Accommodation grant eligibility conditions are designated by the MU Scholarship and Bursary Regulations and verified on the basis of data in the national register of students in accordance with guidelines stipulated by the Ministry of Education, Youth and Sports for this kind of scholarship as applicable to subsidy allocation at public universities. Accommodation grants are disbursed in two instalment periods. In each period, students apply individually via the MU Information System, which also verifies their compliance with the stipulated conditions. In 2011, an amount of 108 million CZK was disbursed in accommodation grants among eligible students. A total of 17,020 students received an accommodation grant of 3,120 CZK during the first half of the year (i.e. an amount of 53,102,400 CZK was disbursed) while in the second half of the year 18,253 students were awarded grants of 3,000 CZK each (i.e. 54,759,000 CZK in total).

Students who fail to meet the criteria but cite a sufficiently serious argument in favour of eligibility may apply for an exception to the vice-rector for studies. In 2011 exceptions were granted to 102 students (generally students with special needs).

As a public higher education institution, Masaryk University is obligated to require students who meet legally stipulated conditions to pay study-related fees. The amount of such fees for any given year is determined by faculty deans following a discussion in the Academic Senate. Fees for prolonged studies specified for the 2011/2012 academic year ranged from the legal minimum of 4,436 CZK (Faculty of Social Studies) to 24,000 CZK (Faculty of Informatics) for every 6 months of studies commenced. Fees for further studies have been set at 0 CZK at seven faculties, with the Faculty of Medicine and Faculty of Social Studies requiring its students to pay 2,500 and 2,900 CZK, respectively, for each additional year of studies.

A total of 7,171 fees were assigned in 2011, of which 341 were additional degree fees and 6,830 were studies prolongation fees. In 47 % of all cases, students applied to the dean for a revision of the fee allocation process. Faculty deans cancelled 53 fee decisions and a further 29 were voided in a second instance decision stage by the Rector, who also confirmed all other fees as being in accordance with the relevant regulations.

Rector's Award for the Best Students in Master's Programmes:

Ester Danelová, FSS, Psychology
Tomáš Púčik, FSci, Geography and Cartography
Hana Kyjonková, FA, Psychology

Rector's Awards for Outstanding Achievements in Sports:

Radka Vodičková, FSpS, Physical Education and Sport

Long-term cooperation between the university and 70 Czech and Slovak secondary schools continued within the framework of the Partnership in Education project. Collaboration includes informing partner secondary schools about new developments at the university, presenting study opportunities, organizing lessons led by MU lecturers, holding conferences designed to bring secondary school principals in contact with MU management, organizing seminars for pedagogical advisers, holding various events for talented students and including a special open day event.

3.3

Student Advisory Services

Developments in university counselling took place in the area of both psychological and career counselling and were facilitated by the University Advisory Service and the MU Career Centre. Motivational, educational and advisory student programmes were implemented in accordance with the *MU Strategic Plan* while new developments took place in the area of collaboration with employers. Counselling services were provided to both groups and individuals with emphasis placed primarily on character development and a proactive student approach. A total of 33 group workshops and 486 individual consultations took place. Counselling was provided in part by qualified psychologists with extensive advisory experience.

Current MU students were also involved in co-organizing a range of counselling activities and events for their younger colleagues, including e.g. Prvákoviny, a two-day-long information session attended by 883 first-year students and led by 35 teams of organizers. Programmes offered by the University Advisory Service and the MU Career Centre targeted the development of students' social competences, which undoubtedly form one of the prerequisites for a successful future career.

The fifth annual JobChallenge career fair was organized by Masaryk University in cooperation with Mendel University in Brno and the Brno University of Technology. Designed specifically for Brno university students and graduates, the job fair attracted 2,600 participants and the official website registered 16,000 hits. A total of 84 exhibitors presented attractive career opportunities with the help of the so-called Marketplace, a database administered by the University Advisory Service and the Career Centre.



University Research Profile

4.1

Providing Optimal Conditions for Research and Research Support

By 2015 the university aims to become a respected institution with an internationally recognized research programme, clear-cut profile, state-of-the-art infrastructure and research results distinguishable on a European scale. This vision is presented in the *MU Strategic Plan 2011–2015*.

In 2011 MU focused primarily on attracting young academic workers, i.e. recent graduates of doctoral degree programmes, and their integration in creative teams; 11 young researchers were included in research activities aimed at developing their potential. An ECOP project entitled Employment of Newly Graduated Doctors of Science for Scientific Excellence will subsequently prolong the strategy throughout the 2012–2015 period.

In order to meet announced strategic objectives, the university is focusing on constantly supporting team and project research by preserving and promoting high-quality research groups and individuals as well as systematically evaluating internal research team results. This concept, along with methodological support on the part of the university, is implemented consistently and includes e.g. large-scale team project assessments as part of the MU internal evaluation scheme carried out by means of internal financial audits, content evaluation by external evaluators and efforts aimed at developing an internal research evaluation methodology.

Creative activities focus on both primary and applied research – including long-term primary research trends – and industrial research, with special emphasis placed on specific issues preferred on a European scale (e.g. security and defence research).

As the quality of research naturally exerts a major influence on the quality of education, Masaryk University greatly emphasizes the involvement of researchers in training and presenting students with the latest knowledge.

The concentration of research facilities of the Faculties of Science, Medicine and Sports Studies – all located at the university campus in Brno-Bohunice – signals a major team research efficiency increase and provides researchers with opportunities to cooperate closely in the field of e.g. biomedical research. Outstanding results achieved by participants in long-term research plans, research centres, and primary research centres alike are a clear indication of the high quality of team research performed at Masaryk University.

The university is home to a total of 22 teams participating in long-term research plans; 17 primary research centres focusing on collaborative projects with other institutions and 5 research centres participating in applied research. In 2011 research team members included employees from all MU faculties.

Team research is supported by various types of grant projects: excepting RDIOP projects, research carried out at Masaryk University in 2011 was funded by a total of 247 grants assigned by the Czech Science Foundation – including postdoctoral grants for recent Ph.D. graduates – and 20 projects administered by the Grant Agency of ASCR. A further 6 applied research projects launched in 2011 were funded by grants issued by the Technology Agency of the Czech Republic.

In 2011 a total of 29 projects were carried out at MU under the auspices of the Seventh Framework Programme, 8 with Masaryk University as coordinator and 21 as partner.

In addition, 24 new requests were filed during the course of the year. A total of 11 were submitted to the People programme, specifically with Initial Training Networks (ITN) in mind; 2 individual grants were also submitted: CIG and IOF. A further 7 applications were submitted to the Cooperation programme in the following areas: Health, Information and Communication Technologies and Security. Lastly, 3 project proposals were submitted to the Ideas programme and an additional 3 to the Capacities programme.

In order to develop new ties with the international scientific community in the life sciences, MU launched InterBioNet, a new ECOP project designed to reinforce Masaryk University's involvement in FP7 projects and secure active participation in the Horizon 2020 programme.

The South Moravian Programme for Distinguished Researchers (SoMoPro) constitutes a unique grant model designed to provide scientists with mobility funding. The programme is implemented by the South Moravian Centre for International Mobility and aims to positively influence the number of incoming international researchers and to motivate Czech scientists working abroad to return.

The programme has successfully drawn 27 researchers to the Czech Republic – 19 of them to Masaryk University.

4.2

Research Infrastructure and Developments in Collaboration

One of the principles of team scientific work at Masaryk University is taking full advantage of all available research and development capacities, resulting – among other things – in the strengthening of efficient property and financial management.

A coherent concept of sharing laboratories, instruments and other facilities contributes to maximum integration with respect to the use of available research infrastructure and especially unique laboratory equipment. The idea of integration in the form of sharing one-of-a-kind laboratories has been carried out mainly in the field of biomedical research as part of the cooperation between the Faculty of Science and the Faculty of Medicine at the University Campus Bohunice. Dynamic integrated research units have also been established at the Faculty of Informatics and at the Institute of Computer Science.

The Gregor Johann Mendel Antarctic Station, a Masaryk University operated research unit located on James Ross Island, may be considered unique in a global sense. The centre – dubbed CzechPolar – has been recognized by the government as a priority project of the Czech National Roadmap for Large RDI Infrastructures. Operated by the Faculty of Informatics, the LINDAT-Clarín Centre for Language Research Infrastructure in the Czech Republic project has been designed as a Czech “node” in the international Clarín network (Common Language Resources and Technology Infrastructure). An offshoot of the undertaking, the T4ME Net project (Technologies for the European Multilingual Information Society) facilitates the free sharing of language data and basic technology in science and research between institutions and individuals. While the Clarín project primarily targets the humanities, T4ME is designed to serve a wider audience, focusing e.g. on language technologies and their application.

New unique units and infrastructure are being developed thanks to the Research and Development for Innovation Operational Programme. In 2011, a majority of planned MU projects entered the implementation stage. Both CETOCOEN and the Regional Scientific-Research Centre for Low-cost Plasma and Nanotechnological Surface Treatment made substantial progress, with the former nearly finishing all necessary construction. The Central European Institute of Technology (CEITEC) project entered the implementation stage in 2011, as did five approved research and educational infrastructure support projects. These projects are designed to facilitate the establishment of doctoral studies centres at the Faculty of Education and Faculty of Economics and Administration, the development of new buildings for biological fields of study, the completion of the Faculty of Informatics complex and the long-awaited renovation of the Faculty of Arts.

The CERIT Scientific Cloud centre, a significant information infrastructure project, was successfully opened at the end of the year.

Projects prepared in 2011 include plans for the renovation of the Faculty of Law library and the purchase of electronic information resources essential for medicine and related fields. Meanwhile, the MU Technology Transfer project has successfully reached the negotiation stage.

The CERIT Science Park project (Faculty of Informatics) was approved under the Enterprise and Innovation Operational Programme.

Successful research and development depends on efficient research team collaboration. Masaryk University units are thus constantly cooperating with both Czech and international scientific and R&D institutions, including traditional partners such as the Academy of Sciences of the Czech Republic. The close relationship of the two institutions is likewise reinforced by the irreplaceable role of the ASCR in the implementation of doctoral degree programmes in a number of fields of study at MU.

Thanks to a range of applicable research results, the university is also successfully developing links with ministerial and non-governmental research institutions and institutions specializing in the application of research results. Examples of such collaborative activities include helping developing countries resolve serious problems thanks to the application of research results, e.g. removing toxic substances (PCBs) from the environment in Kyrgyzstan, Kazakhstan and several African countries. Clinical research and clinical studies conducted in connection with the pharmaceutical industry also present important collaborative opportunities. The following have been most active in the area of commercial collaborative activities: Faculty of Science, Faculty of Medicine, Faculty of Informatics and Institute of Biostatistics and Analyses.

4.3

Qualification Development and Academic Employee Structure

Rules and regulations governing MU employee career growth are stipulated by the MU career code which constitutes a general framework for systematic and constant employee motivation leading to qualification development in the desired area of employment. Motivational elements relevant to the career growth of academic workers at MU include primarily habilitation and professorship appointment procedures as well as optional sabbatical leave and visiting scholar placements.

A total of 40 habilitation procedures and 8 professorship appointment procedures took place at Masaryk University in 2011; MU academic employees were involved in 11 and 3 cases, respectively.

Awards Granted in 2011:

GREAT GOLD MEDAL

His Serene Highness Prince Hans-Adam II of Liechtenstein

GOLD MEDALS

Robert Badinter (France)

Osvald Vašíček (Czech Republic)

Jan Peňáz (Czech Republic)

SILVER MEDAL

Anthony Jakeman (Australia)

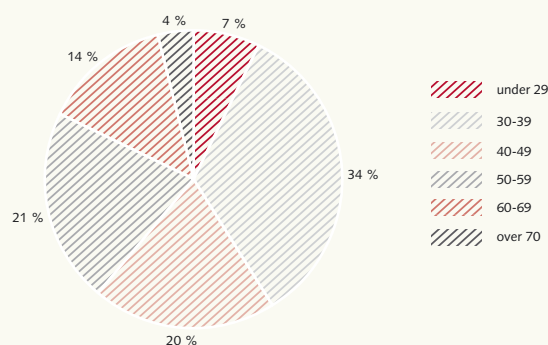
RECTOR'S AWARD FOR OUTSTANDING CREATIVE ACTIVITY:

Kaveri Subrahmanyam, David Šmahel, *Digital Youth. The Role of Media in Development*, New York 2010

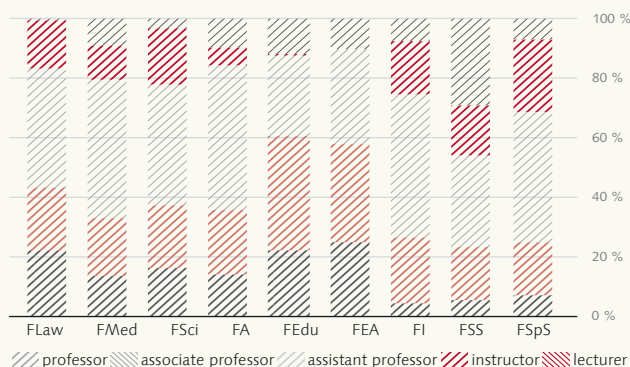
Zdeněk Adam, Marta Krejčí, Jiří Vorlíček et al., *FMed, General Oncology*, Prague 2010 and *Special Oncology*, Prague 2011

Richard Štefl, *Recognition of Defective RNA and Editing Corrections* (research results, Brno 2010)

Graph 8 Academic Employees Age Structure



Graph 9 MU Academic Employees Qualification Structure





Innovation and Technology Transfer

5

Innovation and Technology Transfer

The MU Technology Transfer Office (TTO) is an independent constituent part of the university tasked with the implementation of research and development results outside of Masaryk University. The unit currently provides services associated with the application of MU technologies and knowledge (direct sales, licensing, intellectual property security, contract research commissions), administrative and material support for academic enterprise including the establishment of spin-off companies, contract preparation, contractual relationship organization and management and other activities associated with MU results including outreach into educational and marketing activities. These activities target all university faculties collaborating with the TTO based on their individual needs and requirements.

In 2011, the TTO focused primarily on managing results in the following fields: protein engineering, chemistry, stomatology, biomedicine, information technology and plasma physics. Protection of relevant results was ensured by filing 15 new patent applications, 13 utility model applications and 5 industrial design applications – all according to results produced by the Faculty of Science and Faculty of Medicine. Moreover, the TTO was granted four Czech and two international patents. Core TTO tasks include the preparation of contracts with end result users, negotiation of applicable conditions and systematic care for all contractual relationships. In addition to the licensing of MU technologies and know-how trading, the TTO also facilitated the establishment of two spin-off companies focusing on computational chemistry and protein structure visualization.

As the sole MU centre for intellectual property protection, the TTO has considerably contributed to the development of existing internal regulations in the area and helped create a communication strategy throughout the university. The entire area received a substantial boost thanks to the development of a long-term technology transfer strategy and submission of the RDIOP Technology Transfer at MU project proposal. The TTO also took part in the EF-TRANS (effective transfer of knowledge and expertise from research and development into practice) and ChemPoint (scientists for chemistry practice) projects.

Moreover, the TTO remains an active supporter of infrastructure and R&D projects, contributing to the development of the South Moravian Regional Innovation Strategy by collaborating on the preparation of a regional technology transfer centre and providing educational activities, e.g. the accredited Research and Development in Practice course, concentrating on academic enterprise, project preparation and management and intellectual property utilization.

Overall MU revenue from knowledge transfer in 2011 amounted to 6.202 million CZK. This sum includes contracted research (3.426 million CZK), consultation and counselling fees (1.568 million CZK), revenue from educational courses organized for application sector entities (1.056 million CZK) and revenue from licensing agreements (152,000 CZK).



External Communication

6.1

Communication with Prospective Students and Graduates

Activities focusing on prospective Masaryk University students applying for studies in Czech degree programmes included presentations held at educational trade fairs in Brno, Prague and Bratislava as well as informative calls by current MU students at both Czech and Slovak secondary schools. In addition to a range of study-related information being provided, a promotional film was screened at such events and prospective students received a magazine specifically tailored to the needs of potential applicants: MUNI EXTRA included a complete list of all available fields of study.

MU also presented MUNIQUEST, a contest designed to introduce the university environment to applicants – both in electronic form and with the help of visits to MU locations. Additional advertising included an MU TV spot screened on board Student Agency buses, a strong Facebook presence and a poster campaign at 700 Czech and Slovak secondary schools. Individual faculties organized open days and a range of other activities and events. Besides serving as general partner for the nationwide secondary school tic-tac-toe contest, MU also launched the Study at MUNI Facebook page targeting prospective students. Furthermore, six faculties published electronic newsletters detailing study opportunities in order to motivate admitted applicants to enrol in studies.

In 2011, the university continued to develop communication with its alumni. The second issue of The Graduate newsletter was posted to approximately 4,500 addresses listed in the MU Alumni Network and tens of thousands of alumni received three issues of an electronic newsletter with information about current university events. MU also relied heavily on its website and Facebook page for further communication with graduates.

An extensive direct mailing campaign urging graduates to reconnect with their alma mater via the MU Alumni Network was successfully conducted in the last quarter of 2011. The MU Alumni and Friends Association – in its seventh year of operation – underwent significant changes.

6.2

Public Image and Prestige in the Academic Environment

The university continued to play an important cultural and social role in the life of the city of Brno and the South Moravian Region. Traditional social events included the Masaryk University Garden Party and concerts featuring Čechomor and the Affetto ensemble. In October 2011 the great hall of the Faculty of Law hosted the inauguration ceremony which confirmed Mikuláš Bek as the new Rector, followed by a performance of the Baroque opera *La Daphne* at the Reduta Theatre.

The Rector's Awards were presented at the Dies Academicus 2011 public assembly and a number of additional traditional events for MU students, employees and friends of the university were held throughout the year. A new University Wine for the upcoming academic year was also introduced.

Important figures to visit the university in 2011 included e.g. Prince Hans-Adam II of Liechtenstein, who appeared on the occasion of a book launch for his publication *The State in the Third Millennium*. A range of student activities also took place, including the third annual university hockey tournament with MU playing the Brno University of Technology. Several thousand fans from both institutions succeeded in creating an unforgettable atmosphere at the match. The grand opening of the University Centre Telč was another notable event: following a full-scale renovation, the UTC was officially opened in April with an exhibition and promotional event.

The university periodically informs the academic community and its supporters about upcoming events, projects and interesting personalities. The muni.cz university monthly and the new online.muni.cz news portal – updated daily – form the most important means of communication. Launched in the fall semester, the web-based news portal is designed to supplement the printed magazine and provide additional articles and event photo galleries in keeping with the latest trends in the development of digital technologies.

6.2

Public Image and Prestige in the Academic Environment

Throughout 2011 Masaryk University continued to organize a number of successful events designed to promote science and research among the general public. MU co-organized the Science Festival, a week-long event designed to bring the public in touch with researchers, enable them to visit laboratories and science centres and introduce them to recent discoveries in the natural sciences with the help of popular scientific shows, expert lectures, interactive workshops and contests. Over 5,000 people visited the Faculty of Science, Faculty of Informatics and Mendel Museum during the Europe-wide Researchers' Night. The Researchers' Day event provided Brno residents with a further opportunity to explore science in its many forms thanks to presentations and experiments showcased in the city centre. The ŽIRAFA scientific contest, with a record-breaking 34 teams from 21 schools, afforded primary and secondary school students the opportunity to test their knowledge of physics, chemistry, biology, etc.

Along with five other Brno-based universities, MU participated in an interactive exhibition entitled *The Labyrinth of Knowledge*, held at the Brno Technical Museum from October 2011 to September 2012.

Collaborations with the South Moravian Centre for International Mobility focused on providing talented students with suitable conditions for scientific work as well as facilitating joint projects with academic workers.

The Mendel Museum focused most of its 2011 efforts on preparing and implementing state-of-the-art exhibition projects, developing MU collections and expanding its internationally-oriented activities. While *Trace* was likely the most accomplished exhibition project of 2011 – and one which drew a great deal of attention to the museum's exhibition activities – a grand total of 11 exhibitions took place over the course of the year. Exhibitions organized or co-organized by the museum included the following: *The History of Astronomy in Brno*, Olga Havlová in *Photographs*, *Phenomenon: The Book*, Jiří Šigut: *Records, Segregation and Combination*, *Land of Stork Nests*, *Life in a Castle*, *100 minus 10 aka Ninety – Kociánka* and *Herbarium of Masaryk University*.

The museum continued to co-organize the prestigious Mendel Lectures cycle and hosted a series of independent lectures focusing on medical genetics. International partnerships formed another significant area of interest: new partnerships were forged with the Dolan DNA Center (USA) and Science Learning Center London (UK). The museum likewise focused on the promotion of scientific activities with the help of MU students. Selected students were given the opportunity to try their hand at promoting their own field of study and the Mendel Museum even supported the student project presentations by awarding scholarships.

Masaryk University ranks among the most productive Czech publishing houses in the area of specialized literature. A total of 1,026 textbooks and 45 journals have been issued by the munipress label to date. Two publications – the *Musical-Literary Dictionary* and *Latinitas medica* – achieved second place in the Dictionary of the Year contest.

In order to reinforce the university research profile and help integrate online scientific documents, the MU publishing house joined the CrossRef organization and introduced Digital Object Identifier (DOI) numbering, a system facilitating the permanent identification of intellectual property and its exchange.

Recent external activities include the Czech Library project, joint editions with other publishers (*Internal Medicine*, Grada Publishing) and the preparation of six exhibitions in the Czech Republic and abroad.



G. MASARYK
Á OTÁZKA
OTÁZKOU
SUDECH
ČENSTVA



Strategic Partnership Network, Collaboration with the Application Sector and Employability

7.1

Central European Institute of Technology

The Central European Institute of Technology (CEITEC) aims to create a centre of scientific excellence focusing on the life sciences and advanced materials and technologies with the objective of developing into an important European centre of science and scholarship and providing world-class scientists with state-of-the-art working conditions. Results achieved by CEITEC will subsequently contribute to the quality of life and human health.

On 6 June 2011 CEITEC was approved by the European Commission and thus officially became the first key project funded by European Structural Funds via the Research and Development for Innovation Operational Programme. With a share of 57 %, Masaryk University acts as project coordinator and is the recipient of 5,246 million CZK in subsidies. Partner institutions collaborating on the CEITEC project include the Brno University of Technology, Mendel University in Brno, University of Veterinary and Pharmaceutical Sciences Brno, Institute of Physics of Materials and Veterinary Research Institute.

The CEITEC project was officially presented to both the academic and general public on 26 September 2011 at a conference hosted by Prime Minister Petr Nečas.

In June 2011 four joint laboratories of the CEITEC Structural Biology research programme and the BIOCEV Centre of Molecular Structure joined the Czech Integrated Infrastructure for Structural Biology, an affiliate of Instruct, the European hub of structural biology. This partnership will enable all Czech scientists in the field of structural biology to utilize unique technologies and equipment located in any of the participating countries (Czech Republic, France, Germany, Israel, Italy, Portugal, Great Britain and the Netherlands).

The SYLICA (Synergies of Life and Material Sciences to Create a New Future) project, coordinated by Masaryk University, was launched in October 2011. The venture concentrates on unlocking and developing research potential at the Central European Institute of Technology, especially by providing its employees with international exchange and placement opportunities.

The institute has also started to negotiate future partnerships with several world-renowned scientific centres. In October, CEITEC employees met with European Molecular Biology Laboratory (EMBL) experts in Brno for a two-day conference to meet new contacts and arrange new collaborative projects. In December 2011, a CEITEC delegation met with their British partners, including Simon Buckle, pro-rector for international affairs at the Imperial College London. The parties agreed on the importance and profitability of mutual cooperation based on the needs of particular research groups at both institutions.

7.2

Graduate Employability

For a number of years Masaryk University has been conducting sociological surveys among students who are about to complete their studies and graduates who have recently launched their careers.

The Recent Graduate Survey is relevant to those students who have finished their studies at Masaryk University and are preparing to enter the job market. The survey focuses on full-time Master's studies students and investigates topics such as graduate employment prospects, evaluation of selected aspects of studies at MU, interest in work placements abroad, etc. The survey was first carried out in 1994 and since then has been implemented regularly at the end of each academic year. In 2011, a total of 52 % of all questionnaires were submitted (1,150 completed questionnaires).

The Graduate Destination Survey identifies career opportunities for graduates on the job market and evaluates whether or not university studies at MU have provided them with prerequisites necessary for job market success. The survey focuses on full-time Master's studies graduates from the past two years and investigates topics such as graduate placement on the job market, evaluation of selected aspects of studies at MU and interest in work placements abroad. The survey was first carried out in 1996 and since then has been implemented regularly every other year. In 2011, a total of 37 % of all questionnaires were submitted (1,799 completed questionnaires).

7.2 Graduate Employability

Results of Sociological Surveys Carried out in 2011

- » Nearly one half (44 %) of all fresh Masaryk University graduates either have a job or already know where they will start work upon completing their studies.
- » Over one half (56 %) of all students were economically active during their studies in 2011. Time spent working gradually extended from approximately 11 hours per week in the first year to 19 hours in the fifth year.
- » As in previous years, when searching for a job, graduates have relied primarily on their own efforts (66.2 %).
- » The proportion of graduates who have secured work in their field of study has generally ranged between 84 and 93 %; in 2011 the figure stood at the lower end of the interval, i.e. 84 %.
- » Starting salaries have grown by 11 % in comparison with the previous year, reaching an average of 22,887 CZK; FI and FEA graduates are commonly among the best-paid while FEdu and FSci graduates frequently receive the lowest starting salaries.
- » The satisfaction rate of graduates leaving MU has grown since 2006 to an all-time high of 73.4 % in 2011.
- » More than eight out of ten (82.5 %) MU graduates who completed their studies in the past two years are employed (or involved in private enterprise), while the remainder includes non-working (parental leave, doctoral or other studies, international placements, etc.) and unemployed persons. The overall graduate unemployment rate stands at 2.5 %, i.e. it is approximately three times lower than in the Czech Republic at large.
- » Two years after completing their studies, over one half (57.5 %) of all graduates remain employed in fields they had previously studied at MU (previous research figure stood at 64.2 %). A significant measure of labour turnover has traditionally been characteristic of FEA, FSS, FA and FSpS graduates.
- » A total of 45.7 % of all graduates are state-employed (most frequently FEdu, FMed and FSci graduates) and over a quarter (26.9 %) are employed by Czech companies in the private business sector (frequently FLaw and FEA graduates); FI and FEA graduates (14.9 %) are most likely to find employment with international companies and multinational corporations.

7.3 Collaboration with Regional Institutions

On the regional level, Masaryk University participates in a wide range of activities in collaboration with a large number of institutions, in part thanks to its status as founding member of several legal entities, e.g. the South Moravian Innovation Centre, South Moravian Centre for International Mobility and Lednice Chateau multifunctional centre. MU is likewise actively involved in the development and discussion of concepts and strategic documents in cooperation with various public administration institutions.

While joint activities with the South Moravian Innovation Centre focus on knowledge transfer and R&D results commercialization, MU also actively participates in the development of a central technology transfer model for the South Moravian region. The future model is a unique project even on a national scale, especially as it requires the consensus and cooperation of four universities, the South Moravian region and the Statutory City of Brno. MU is actively participating in activities offered by the South Moravian Innovation Centre with the objective of integrating the corporate and academic sectors with the help of e.g. innovation vouchers or 120 second company presentations (i.e. providing space for an introduction of a given company and its proposed cooperative incentives). Collaboration between Masaryk University and IMUNA CZ (innovation of a product for the treatment and prevention of staphylococcal diseases) may be listed as an example; the venture was recognized and awarded vouchers as one of the three most innovative projects of 2011. Furthermore, MU supports research internationalization, e.g. by participating in the organization of events such as Brokerage, an international meeting of corporate and academic representatives and partners. MU also co-organizes (in cooperation with the South Moravian Innovation Centre and the Regional contact organisation for the Seventh Framework Programme) events designed to provide citizens with information about current FP7 calls for the South Moravian region.

In a joint venture with the South Moravian Centre for International Mobility (JCMM), Masaryk University is striving to attract students and scientists to the South Moravian region as well as providing a motivating environment for talented students. Tools designed to develop talent include a financial programme in support of gifted students, administered by the South Moravian Region, and Brno Ph.D. Talent, a competition for additional scholarship funding for first-year doctoral students. Scholarship policies are even developed with international students in mind, including those from countries outside of the EU. Last but not least, the JCMM also operates the SoMoPro programme, which is designed to attract foreign researchers and Czech scientists working abroad to the Czech Republic; Masaryk University is an active programme participant.

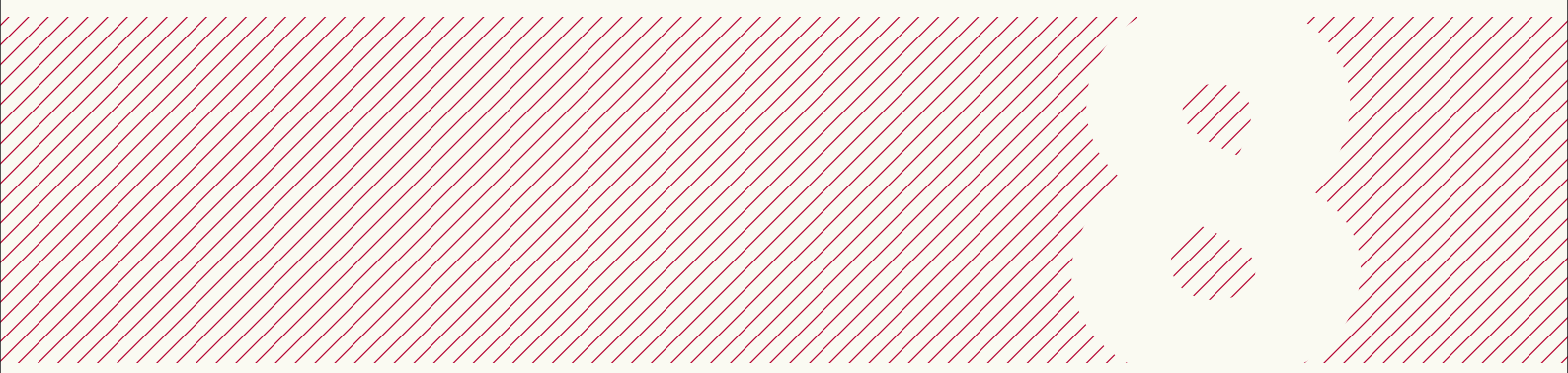
7.3

Collaboration with Regional Institutions

Masaryk University and the South Moravian Region are long-standing partners in the area of conceptual and strategic document development. In 2011 MU contributed to the development of a strategic vision update of the Development Strategy of the South Moravian Region 2020 and went on to participate in a working group tasked with developing and discussing the analytical and propositional aspects of the document. MU is also represented in the Human Resources Development Council of the South Moravian Region, an advisory body to the Assembly of the South Moravian Region. In 2011, the council approved the implementation of a short-term Human Resource Development Strategy for 2012–2013, prepared by the Faculty of Economics and Administration of Masaryk University.

Cooperation with the City of Brno is likewise a priority, as evidenced e.g. by a collaborative discussion leading to the development of a comprehensive analytical report included in the Strategy and Concept of University Education Development in Brno.

The Lednice Chateau multifunctional centre special interest association aims to create a cultural and educational facility focusing on the cultural landscape. A variable hall and lecture rooms will serve the students of Masaryk University and Mendel University in Brno, while the entire renovated complex will offer short-term exhibition opportunities. In 2011 the association focused on selecting a supplier for construction work, subsequently receiving additional support thanks to Integrated Operational Programme funding.



Institutional Efficiency

8.1

Financial Control

An internal control system has been developed at Masaryk University in accordance with the MU Statutes and Rules of Organization. The MU financial control system at its core has been established in accordance with Act No. 320/2001 Coll. on Financial Control in Public Administration, as amended; furthermore, Decree No. 416/2004 Coll. on internal auditing forms a second key component.

The efficiency of the MU internal control system is being ensured in particular with the aid of integrated regulation settings associated with new assets as well as the need to project new legislation into internal processes and by establishing clearly delimited responsibilities and roles with respect to linear and transparent project management including a risk management system for large-scale projects, a functional electronic workflow framework and electronic financial control mechanisms including both continuous and subsequent financial controls.

Internal auditing is performed in accordance with the above mentioned Act on Financial Control, internal directives (MU internal auditing statute) and international auditing standards. In addition to auditing activities focusing primarily on financial and project management including internal process risk and evaluation management, internal auditing also covers continuous monitoring and periodic internal control system and MU control management evaluation. System audits and operational programme project compliance audits are subject to verification – including the transparency of project management settings – in order to provide a guarantee of the fact that all policies and procedures ensuring compliance with regulations are clear, transparent and sufficiently adept at eliminating risk. Internal auditing carried out in 2011 focused primarily on system audits, compliance audits and RDIOP and ECOP project operational audits.

In view of internal auditing outcomes, management control and external controls, it may be said that the key financial control requirements, i.e. the four eyes and two signatures principles, have been met throughout the entire financial operation procedure and that risk has been kept at a reasonable minimum.

Information about Suspicion of Possible Corruption and Proven Corruption Cases:

Corruption was neither detected nor proved at Masaryk University.

8.2

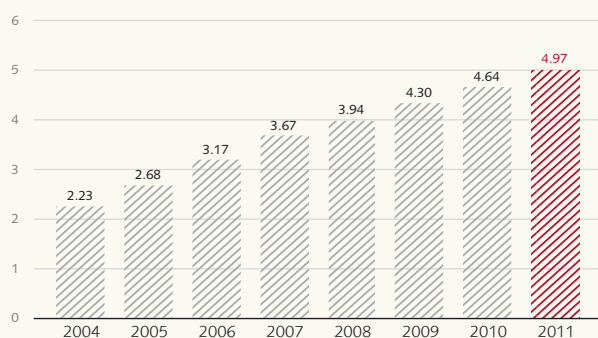
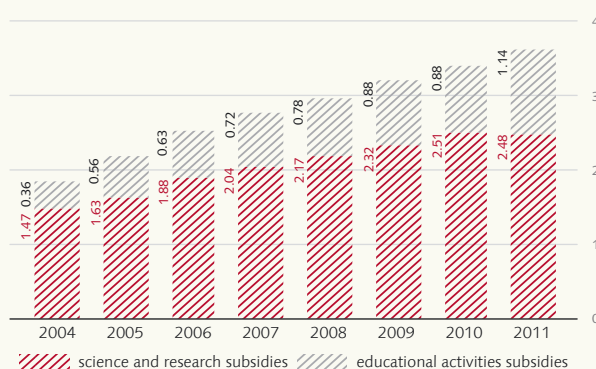
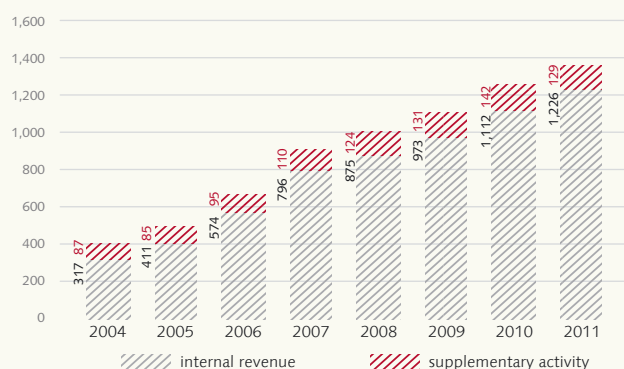
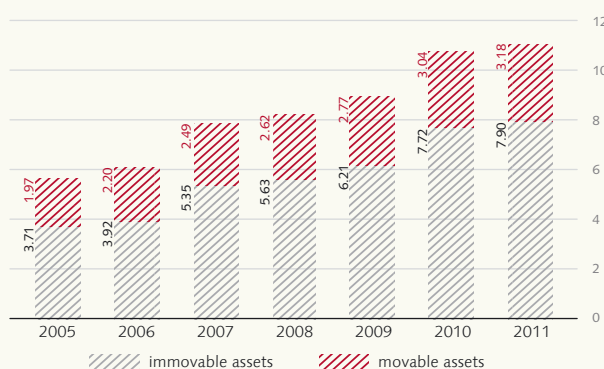
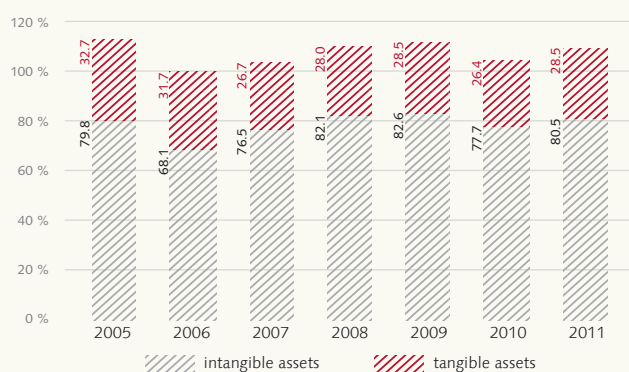
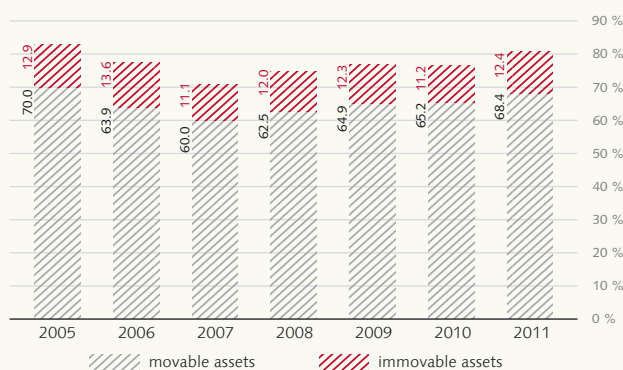
Economic and Financial Management

Masaryk University's total non-capital earnings for 2011 stood at 4,971 million CZK (increase of 7.11 % in comparison with 2010) with costs amounting to 4,902 million CZK. MU management registered an economic result of 68.550 million CZK after tax (1.39 % of total MU revenue). The annual educational activity contribution made by the Ministry of Education, Youth and Sports (indicator A) decreased by 9.6 %.

In 2011 the non-capital contributions and subsidies from the Ministry of Education, Youth and Sports totalled 2,739 million CZK (interannual decrease of 5 %). An additional sum of 301 million CZK was drawn from elsewhere in the national budget as well as from the budgets of local and regional government bodies (up by 32 % compared to 2010) and a sum of 154 million CZK was gathered from abroad (increase of 64 % compared to 2010). Thanks to the Education for Competitiveness and Research and Development for Innovation Operational Programmes, funding from other public sources increased from 185 million CZK to 428 million CZK (interannual increase of 131 %). Public resources from the national budget and from abroad contributed a total of 3,623 million CZK (interannual increase of 6.84 %). Non-capital investment funding provided by the Ministry of Education, Youth and Sports in 2011 for institutional support amounted to 1,904 million CZK, i.e. 38 % of total MU revenue. Non-capital subsidies for teaching activities (indicator A) stood at 1,612 million CZK (decrease of 9.6 %); MU also received an additional 291 million CZK in targeted institutional support. A sum of 28 million CZK in non-capital subsidies for student accommodation and catering was provided by MEYS (interannual decrease of 27 %).

Non-capital research and development funding (both normative and targeted) amounted to 1,143 million CZK (interannual increase of 29 %): a total of 671 million CZK was provided by the Ministry of Education, Youth and Sports (interannual increase of 6.45 %), 280 million CZK came from the national budget as well as local and regional authority budgets (up by 30 %); international research received an additional subsidy of 102 million CZK (interannual increase of 168 %). Non-capital research and development funding amounted to 23 % of total Masaryk University revenue in 2011.

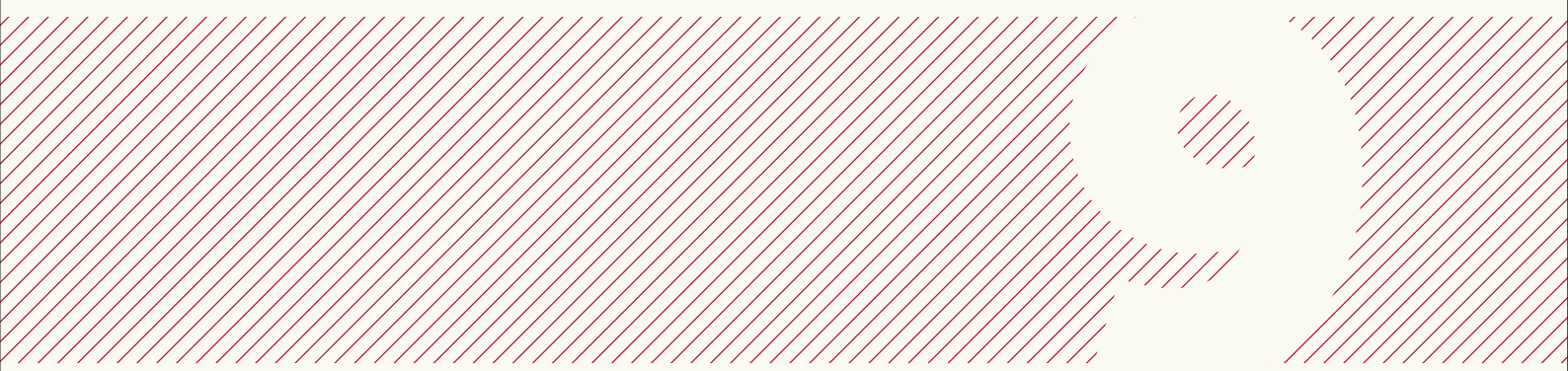
MU revenue from non-public sources amounted to 1,355 million CZK in 2011 (increase of 8 % compared to 2010): 1,226 million CZK comprised revenue from principal university activity (interannual increase of 10 %) and 128 million CZK from supplementary activities (interannual decrease of 9 %). Self-generated income and income from supplementary activities amounted to 27 % of the total non-capital revenue. ECOP project data correspond to their classification throughout 2011.

Graph 10 Total MU Non-Investment Revenue in 2004–2011 (billion CZK)**Graph 11 Total MU Non-Investment Subsidies in 2004–2011 (billion CZK)****Graph 12 Internal and Supplementary MU Activity in 2004–2011 (million CZK)****Graph 13 Total MU Movable and Immovable Assets Purchase Value in 2005–2011 (billion CZK)****Graph 14 Degree of Depreciation of Tangible and Intangible MU Assets 2005–2011****Graph 15 Degree of Depreciation of Movable and Immovable MU Assets 2005–2011**

An inventory conducted by MU in 2011 shows total assets with a purchase value of 11,206 million CZK (inter-annual increase of 3 %): 11,077 million CZK in long-term tangible assets (up by 3 %) and 128 million CZK in long-term intangible assets (up by 7 %).

Total depreciation of assets amounted to 3,255 million CZK. The total degree of depreciation stands at 29 %.





Employees and the Work Environment

9

Employees and the Work Environment

The overall number of Masaryk University employees stood at 4,854 in 2011, an increase of 271 over the previous year. The rise in employee numbers was primarily linked to the commencement of Operational Programme projects funded by EU Structural Funds as well as a range of additional research and development projects. Over the course of the year, a total of 1,179.69 full-time and part-time employees (i.e. full-time MU employee workload equivalents) were involved in project-related activities. A total of 214 international academic workers from 30 countries were involved in labour-law relationships with the university, participating either in instruction, long-term research plans or a range of project-related activities. The CEITEC project, a collaborative venture launched by four Brno-based universities and two research institutes, employed 58 scientific workers (employee workload equivalents) during the course of the year.

A total of 28 internal educational events took place with 475 MU employees taking part. Although some practical skill courses were included, issues and topics addressed were primarily associated with the progressive development of qualifications relevant to the professional orientation of individual employee categories.

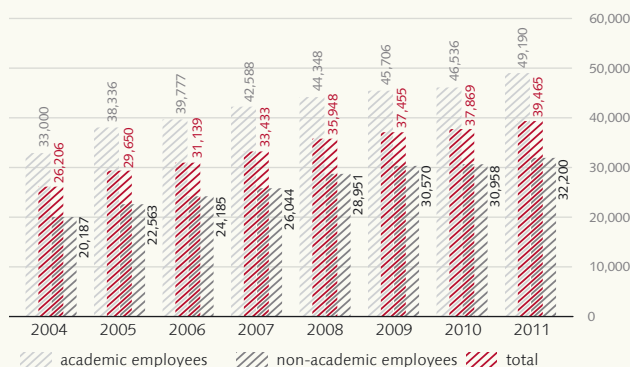
The Comprehensive R&D Personnel Training in the Broader Issues of R&D Management (PREFEKT) project, a key element in internal education, was launched in 2010. The ECOP project target group included academic workers, doctoral degree programme students and administrative employees as well as, albeit to a lesser degree, Master's and Bachelor's degree programme students. Course content focused on the wider aspects of project management relevant to projects typically encountered in a university setting. Individual seminars targeted issues such as detailed financial planning and documentation, project team roles and intellectual property protection; specialized Czech and English language courses offered help with formulating project content. The two-year-long project boasts 470 successfully trained participants and its positive effects were immediately apparent in cases of approved individual projects submitted by project participants.

University employees continued to receive a range of benefits under the provisions of the incentive system throughout 2011. A total sum of 13.6 million CZK was distributed among employees in supplementary pension scheme contributions. MU also disbursed a total sum of 20.239 million CZK in meal vouchers.

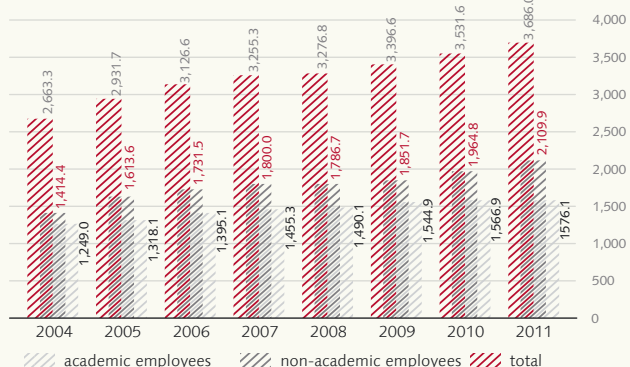
The constant support of young academics' involvement in creative teams, i.e. the creation of new post-graduate employment opportunities, remains one of the most important motivational factors in academic employee career development.

Moreover, an ECOP project approved in 2011 will help MU create 57 new recent graduate jobs in order to stimulate research careers by creating international work placement opportunities and by fostering integration with the application sector in science and research with the support and guidance of experienced mentors.

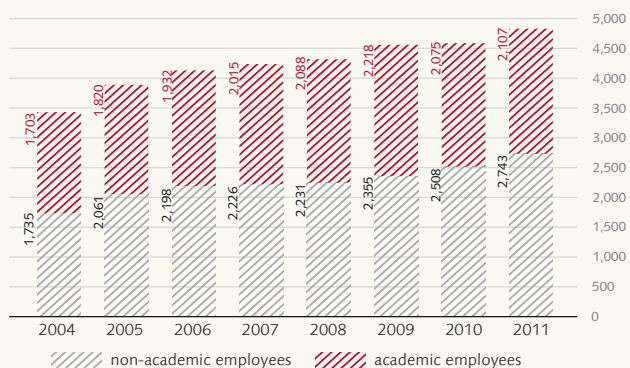
Graph 16 Average Monthly Salary (CZK)



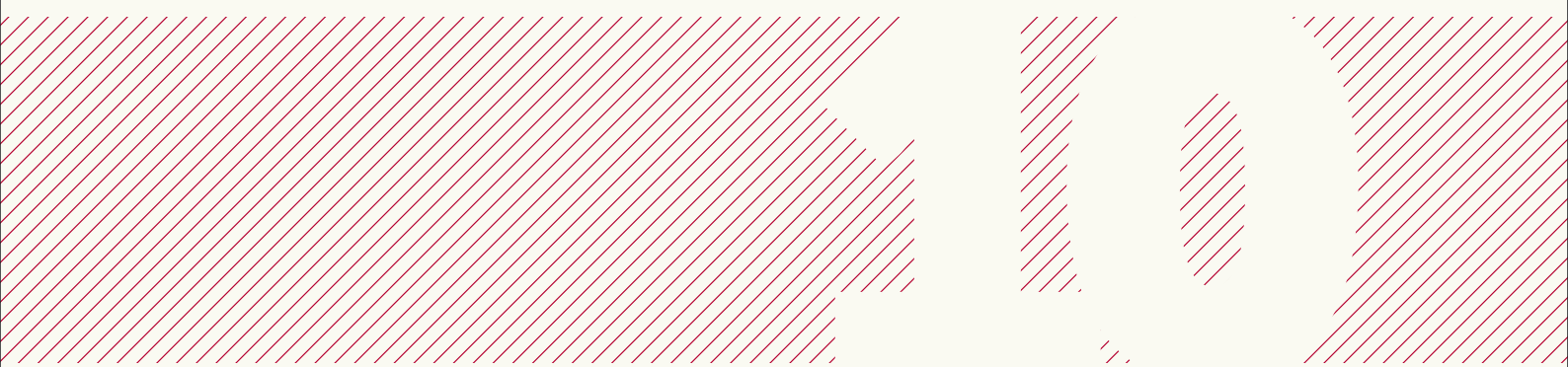
Graph 17 Average Full-Time Workload MU Employee Equivalent (2004–2011)



Graph 18 Employee Numbers at MU (2004–2011)



In 2011, a sum of 1,880,135,386 CZK (including personnel expenses) was distributed among MU employees and the mean employee salary stood at 37,869 CZK (interannual increase of 4.21 %). While the salary increase did affect all employee categories, the greatest rise in wages concerned academic employees and particularly research workers (thanks to the growing numbers of international research workers).



Infrastructure and Corporate Services

10.1

Investment Programme Implementation

In accordance with the *MU Strategic Plan*, development of Masaryk University infrastructure has been implemented within the framework of Programme 233 330, Development of the Material and Technical Base of Masaryk University, as approved by Resolution of the Government of the Czech Republic No. 203, 27 February 2002 and its subsequent updates – government resolutions No. 986 of 20 July 2005, No. 916 of 23 July 2008, No. 1306 of 19 October 2009 and No. 925 of 22 December 2010. Additional investments were covered by common university financial management.

The Development of the Material and Technical Base of Masaryk University programme was successfully finalized in 2011. The first part of the programme focused on the renovation of existing university buildings in the historic Brno downtown area, including both the large-scale renovation of buildings and technical infrastructure and the renovation of educational, laboratory and additional spaces as well as the modernization of laboratory instruments and ICT technologies. The construction of new facilities at the University Campus Bohunice (UCB), designed for the educational and research activities of the Faculty of Medicine, the biology and chemistry-related fields of study at the Faculty of Science and the Faculty of Sports Studies, formed the second part of the programme. All UCB-related technical equipment and instrument purchases were completed in 2011.

Total programme costs amounted to 6,442.815 million. The necessary financial means were provided by the state budget (5,336.084 million CZK), internal MU sources (809.860 million CZK) and the Brno City Municipality (296.871 million CZK). In order to implement the development programme, a sum of 95 million EUR in EIB loans was transferred to the state budget. A portion of the funding thus supplied by the state (1,775 million CZK) was provided in the form of repayable financial assistance; the sum must be repaid by 2030.

10.2

University Campus Bohunice Development

In 2010 and 2011 Masaryk University also obtained the necessary funding for the construction of additional buildings in the university campus area. Funding for the CETOCOEN, CESEB and CEITEC projects has been secured from RDIOP and from internal Masaryk University sources. The construction of the CETOCOEN building was launched in 2010, with projected expenses set at 265.850 million CZK. Construction is progressing as planned and scheduled to finish in 2012. A total sum of 133.580 million CZK was spent in 2011. Construction tender documentation for the CESEB project was processed in 2011, resulting in the tender itself being successfully completed and a general construction contractor signed on. Projected CESEB construction costs were set at 554.488 million CZK, of which a sum of 10.276 million CZK in project preparation and implementation expenses was spent in 2011. Furthermore, the first CEITEC construction stage – with project expenses under 0.213 million CZK – was also launched in 2011; an additional amount of 0.535 million CZK was spent on the preparatory stages of principal construction, scheduled to fully commence in 2012 with overall projected costs of 757.600 million CZK.

The University Campus Bohunice now offers 39,183 m² of new floor space, including 17,755 m² designated for instruction, 11,205 m² of laboratory space and scientific research facilities, 3,899 m² of office space for academic employees and 1,832 m² of administrative office space. All binding programme indicators including the programme budget were observed.

10.3 Subsidized Investment Development

Additional infrastructure development projects are associated with the implementation of Research and Development for Innovation Operational Programme projects. Apart from the above mentioned UCB-affiliated construction projects, the following have been approved in 2011:

- » Construction of the Centre for the Advancement of Research in the Liberal Arts (CARLA) at the Faculty of Arts; overall construction investment of 540.000 million CZK.
- » Completion of the Centre for Research Institutes and Doctoral Degree Studies (CVIDOS) at the Faculty of Education; overall construction investment of 294.000 million CZK.
- » Renovation of the Faculty of Informatics building and construction of the CERIT centre, funded by RDIOP (PA 4) overall investment of 338.885 million CZK, and CERIT – Scientific Cloud, financed by the Enterprise and Innovation Operational Programme, overall construction investment of 134.165 million CZK.
- » Construction of infrastructure designed for doctoral studies at the Faculty of Economics and Administration; overall construction investment of 48.298 million CZK.
- » A project seeking the renovation of the Faculty of Law library was submitted in 2011. Should the project be approved, implementation would commence in 2012 with projected construction expenses of 100.210 million.
- » A project designed to provide selected MU buildings with wheelchair access was approved by ECOP for the 2012–2014 period with projected construction expenses of 28.992 million CZK. Construction is scheduled to start in 2012.

The overall volume of construction investments in the 2011–2014 period outside of the University Campus Bohunice stands at 1,484.550 million CZK, while expenses associated with the campus itself amount to 1,577.938 million CZK, adding up to a grand total of 3,062.488 million CZK.

The Masaryk University complex in Telč was opened in May 2011 following a renovation worth 152.450 million CZK, most of which was provided by the EEA and Norway Grants.

Outside of the above programmes and projects, Masaryk University implemented 30 additional investment projects amounting to a total of 61.780 million CZK. The following may be considered most significant: the installation of external insulation at the Vinařská halls of residence and associated window and balcony repair (20.636 million CZK), construction of a new building in the Faculty of Education complex on Poříčí Street 7 (8.507 million CZK) and the completion of construction works at the Faculty of Arts building at Janáčkovo náměstí (5.771 million CZK).

10.4 Student Services

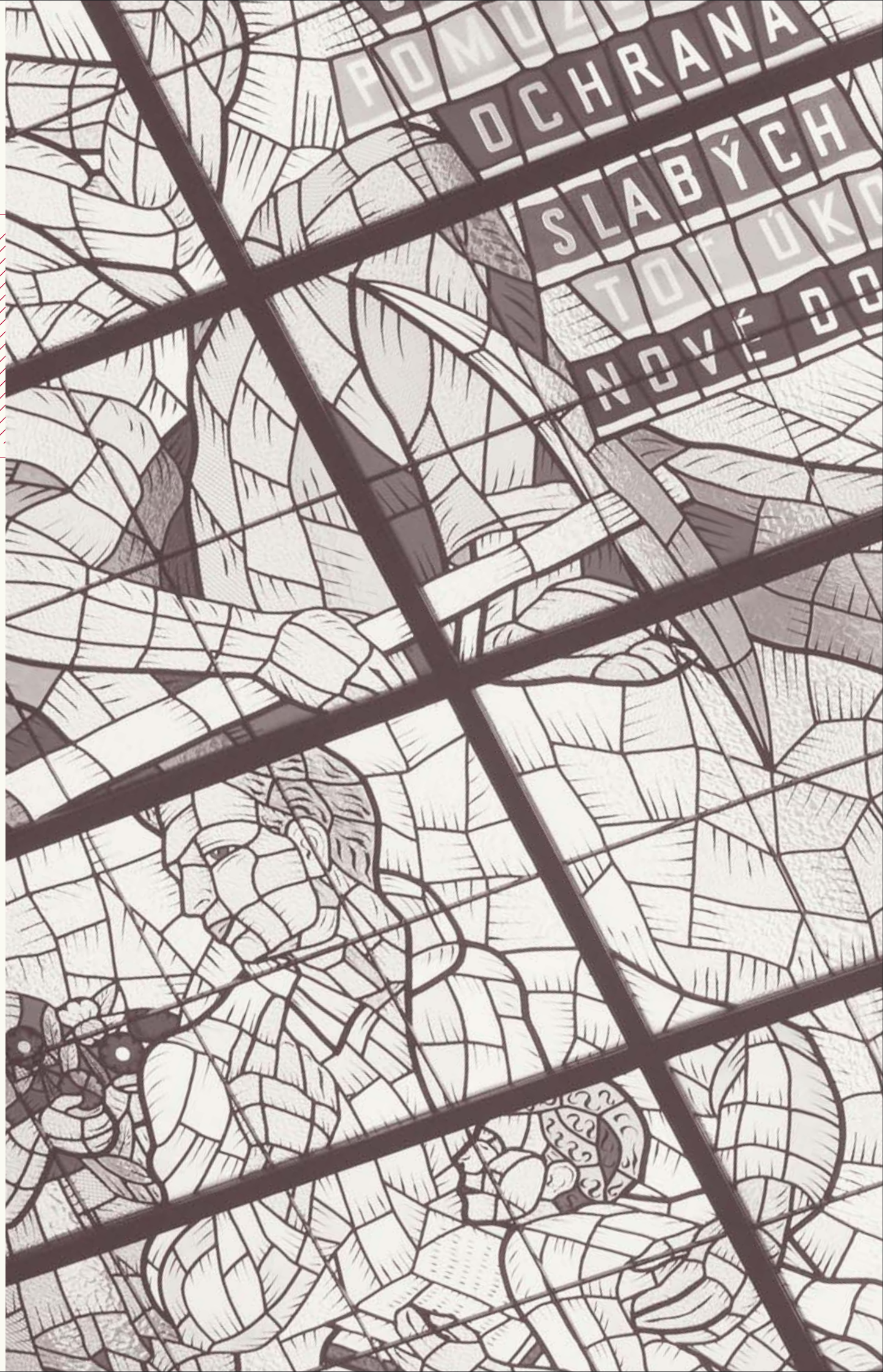
A majority of all MU student services is administered by the Accommodation and Catering Services, which experienced a significant boost in efficiency in 2011 in accordance with the relevant provisions of the *MU Strategic Plan*. In addition to its internal operation being reinforced by an organization code update, two of its component committees resumed their activities – the catering policy committee and dormitory council board. The Information System also implemented the first university-wide poll assessing the quality of catering services offered at MU.

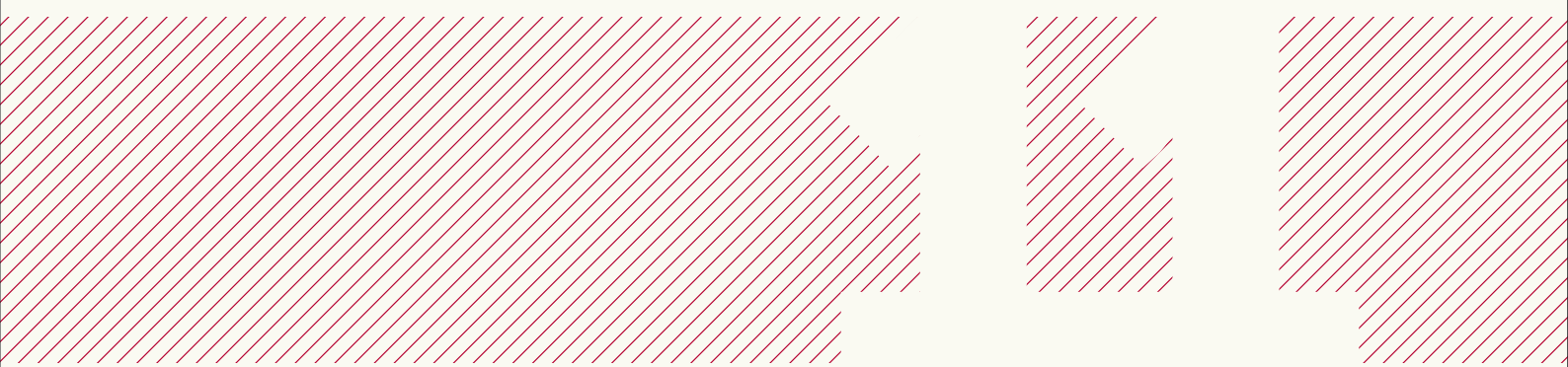
The Accommodation and Catering Services acquired a high percentage of its annual revenue from supplementary activities and managed to achieve considerable growth in economic results on a per employee basis. Both catering and purchasing operations underwent a significant optimization in order to lower operating expenses and administrative stress, e.g. all grocery purchasing was relocated to the First Buy Sale electronic portal.

There are 12 MU halls of residence spread around Brno with a combined accommodation capacity of 4,299. The criteria for allocating residences to students remained the same as in previous years: 1,500 places were reserved for students enrolled in full-time degree programmes at MU for the first time, the remaining ones were allocated according to a given student's distance from home, their social and health conditions and study results.

Demand among residence applicants other than first-year students was newly regulated by two waiting lists, which resulted in a higher satisfaction rate in comparison with previous years. International students, whether enrolled in full-time studies or taking part in exchange programmes, were allocated a total of 782 places. All applications for residence allocation or exchange are processed electronically via the MU Information System and most requests were thus met prior to the beginning of the academic year.

Student and staff catering is provided by the MU Accommodation and Catering Services which operates four main canteens, eight cafeterias, one café and one pizzeria, with an overall combined capacity of nearly 10,000 meals per day. According to the type of catering facility, the daily offer includes up to seven set lunches, three set dinners and a wide range of a la carte meals. In comparison with 2010, the primary MU canteens served 6.7 % meals more, indicating a significantly revived interest in university catering among students.





Information Systems

11.1

Information Infrastructure Development

Services provided by the Institute of Computer Science continued to develop dynamically throughout 2011. The transformation of Supercomputing Centre Brno (SCB) into CERIT-SC (Scientific Cloud), a modern national centre offering storage and computing support services for research projects, was one of its primary tasks. The CERIT-SC centre is currently considered a valuable part of the national e-Infrastructure.

MU computing and storage needs are now being shared by three dislocated data centres (Botanická Street, Komenského Square and University Campus Bohunice).

The MU optical network was expanded in 2011 and, with 152 km of cables, constitutes the most extensive and most advanced metropolitan area network in the Czech Republic. Additional developments include the installation of new network infrastructure at the University Centre Telč.

The number of wireless network users increased significantly in comparison with 2010. A total number of 14,000 users in 2011 corresponds to an interannual increase of 55 %.

The development of technologies and services associated with computer security formed another key area. The CSIRT-MU team, as the first university security team from a Visegrad country, was accredited by Trusted Introducer, an association of trustworthy European security teams. New tools capable of detecting unreported types of events and incidents were introduced as well as the CYBER active network defence concept based on hardware-accelerated network probes.

Technical infrastructure underwent a significant improvement in 2011, particularly in the area of building infrastructure (metering and regulation) and surveillance systems. A new network backbone enabled the addition of new localities and administrative task centralization. The UCB-tested building administration system was extended to parts of the RMU and FEA buildings.

11.2

Masaryk University Information System

The Faculty of Informatics based ICS is responsible for all study-related administrative procedures at the university; the MU Information System may be accessed at <http://is.muni.cz/>. The system comprises a number of administrative and communication services, electronic study support, science and research services, alumni services, online Shopping Centre and electronic application and administrative task registers. The year 2011 marked a shift to a new generation of hardware and software and a modernization of the software development environment. Additionally, a great deal of attention was devoted to the development of study-related administration and application recording and processing tools as well as to e-learning promotion and additional study processes support.

A number of new developments took place in the study administration support area in 2011, including changes to final thesis submission and scholarship-associated applications. Furthermore, seminar group management tools have been modified to allow classmates to swap groups using the Seminar Group Exchange. The Timetable application underwent a major overhaul while email sending and storage security were vastly improved and new functionality was added to the Teacher's Notebook application, including tools designed to track student absences. Submitting files in the IS MU has also been simplified. Inter-university plagiarism detection projects targeting final theses (<http://theses.cz/>) and essays (<http://odevzdej.cz/>) have continued to develop and a new system was established: Repozitar.cz is a specialized tool for collecting and presenting full-text resources submitted by university employees, complete with a plagiarism detection function.

The MU e-learning system Elportál registered 29 new publications in 2011, of which 8 were peer-reviewed. Beginning in 2011, all Elportál publications are being assigned an ISBN. New functionality was added to electronic examination tools by popular demand and the Interactive Syllabus application was revised.

The most significant innovations in the area of science and research support include the option to supplement publications with full-text attachments and the development of the Repository, which facilitates access to such texts in accordance with publication access rights. Uploaded texts may be accessed by authorized IS users or even by members of the general public at <http://is.muni.cz/repositar/>. The Publications application was improved to allow users to track changes in publication records and allow authors to monitor data submitted to the Information Register of R&D Results.

11.2

Masaryk University Information System

In 2011 the Shopping Centre – found at <http://is.muni.cz/obchod/> – recorded a turnover of 160 million CZK; the range of services expanded considerably, especially in the area of client liability administration. Legislative changes associated with receipt printing were applied, the checkout system overhauled and a pilot version of electronic book sales tested.

A preliminary version of the Bureau application – serving all MU faculties – was launched, with certain services made available immediately, e.g. supplementary access to undeliverable study-related decisions. Additional Bureau services include the processing of applications seeking the recognition of courses associated with a different field of study.

Information System in Numbers in 2011:

- » Number of users: 62,481
- » Number of visits: 642,586,412
- » Number of e-applications: 74,838
- » Maximum number of users per day: 37,225
- » Maximum number of pages in the system opened in one day: 3,549,520
- » Maximum server performance: 1,004,496 requests processed per hour
- » Total number of individual programmes in the system: 2,149
- » Total number of publication entries: 659,002 (133,777 listed in the Information Register of R&D Results)
- » Help section: 1167 questions in 126 sections
- » As of 31 December 2011, the IS MU data pool held ca. 41 million files amounting to a total of 6.9 TB.

11.3

Masaryk University Libraries

Library services at Masaryk University are provided by an integrated library network. A current overview of the entire library system and its services is available at <http://library.muni.cz>. In addition to offering a wide range of library and information services, MU libraries continued to provide users with a range of electronic information resources essential for research, development and instructional purposes. At the end of 2011 the MU library collection contained approximately 1.8 million library units, of which 574,000 were directly user-accessible. MU library services were utilized by 48,000 registered users who checked out a combined total of 764,000 volumes.

Library activities and user services are centralized in the Aleph-MU library system, which currently hold records of 1.1 million MU library units. The MYES VISK9 grant has been instrumental in facilitating the systematic revision and matching of local headings in the MU catalogue with the National Authorities database of the National Library of the Czech Republic. In addition to revising and matching 114,580 local MU catalogue headings, MU also made a contribution of 4,975 new personal authority records. Collaboration with the National Library also included the further development of the Union Catalogue of the Czech Republic; the university has contributed approximately 450,000 Aleph-MU records. In order to meet demand for the most sought-after publications, MU libraries have set up a service which provides students with on-site access to the electronic versions of such texts. Over 5,000 volumes (480,000 pages of text) were digitized in 2011.

The importance of electronic information resources for science, research and instruction cannot be underestimated, especially the significance of full-text databases licensed by significant publishers. MU users currently have access to 143 electronic information resource databases. In 2011 university libraries took part in projects of the MEYS INFOZ programme, focusing on both interdisciplinary electronic information resources (e.g. Web of Science, Scopus, Elsevier Science Direct, Springer Link, Wiley Online Library, EBSCO, ProQuest) and on specialized field-specific resources.

11.4

Masaryk University Archives

Masaryk University Archives are classified as a specialized public archive in the Czech archive network. Housing approximately 1,900 metres of materials in 211 collections (30 university collections, 122 written inheritances of figures associated with the university, 47 society and association collections, 12 additional collections), the institution is primarily tasked with collecting archival materials associated with MU activities and subsequently with providing access to researchers.

Newly accessible materials (48.5 metres) include materials from the Faculty of Science (19 metres) and Faculty of Economics and Administration (11.5 metres). The archives successfully completed work on the System, Concept and Character of Czech Higher Education in 1945–1969 grant project, with results scheduled for future publication. Archive employees also participated in the development of the Brno Online Encyclopaedia and prepared an exhibition complementing a conference focusing on the work of Karel Engliš. A total of 84 researchers visited the archives in 2011, approximately 227 separate research visits took place. The archives also processed approximately 300 official and 43 personal searches.

11.5

Provision of Information

pursuant to Act No. 106/1999 Coll. on
Free Access to Information

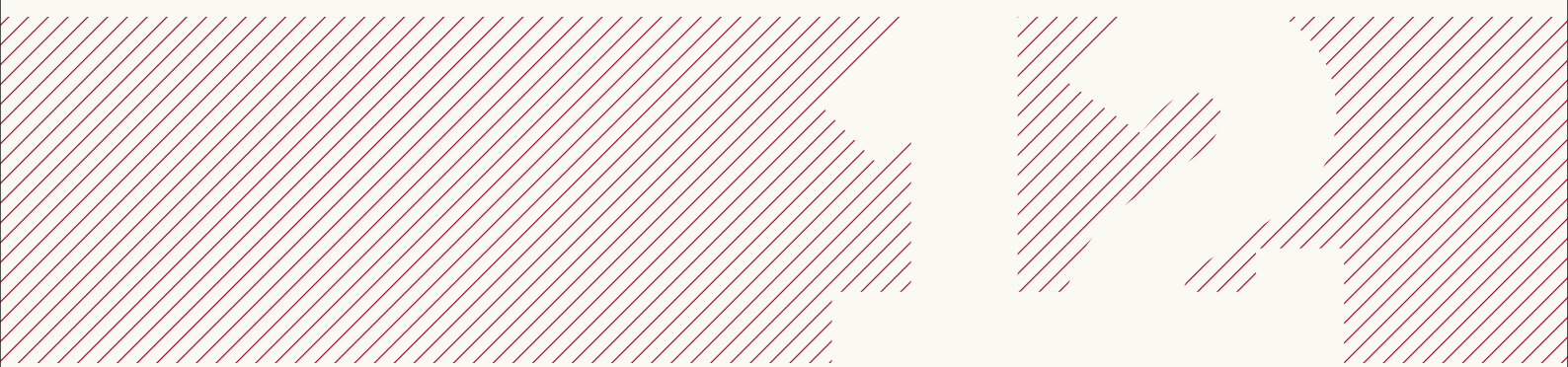
Due to the character of Masaryk University as a public higher education institution, the provision of information is one of its most important (and in some areas most frequent) functions.

The vast majority of information provided had been requested in person from MU employees according to a given individual's responsibility for areas in which the information was requested; in accordance with Section 13 of the Act, such requests have not been recorded.

Written requests are subject to regulations in accordance with section 5, subsection 1, letter b) of the Act. For more information see www.muni.cz/general/information_providing/mu_regulations.

A total of 838 written requests concerning the provision of information were filed in 2011.

In 28 cases the requested information fell outside the scope of MU competence and was communicated as such to the individuals making the requests.



MU Faculties in 2011



12.1

Faculty of Law

Studies and Degree Programme Development

In 2011 the Faculty of Law obtained accreditation for the Public Administration degree programme with two fields of study: Public Administration and Theory and Practice of Criminal and Administrative Procedure. Additional accredited fields include International Trade Law and Commercial Law Studies (Legal Specializations degree programme) and positive developments were recorded in the case of the Master of Laws (LL. M.) doctoral degree programme specializing in commercial law.

The faculty also continued to focus on developments in the teaching of so-called skill-based courses, provided by the Institute of Legal Skills and Innovation of Studies.

In spite of the overwhelmingly decreasing trend in the number of applicants, the Faculty of Law managed to maintain its lead in the number of entrance applications submitted to law faculties in the Czech Republic.

Science and Research

In 2011 the faculty entered the final stage of the European Context of the Development of Czech Law after 2004 long-term research plan and initiated two additional projects funded by the Czech Science Foundation: Criminal Proceedings in Matters of Juveniles in the Czech Republic and Selected States of the European Union and Environmental Law Liability – Current State and Perspectives. Simultaneously, work on previously launched Czech Science Foundation projects continued: Customs Law in a Globalized Society, Municipal Tax Incomes, Critical Edition of the So-called Book of Rosenberg, Development of Private Law throughout the Czech Territory and Protection of Competition from the Perspective of Law and Economics.

The Faculty of Law was responsible for organizing or co-organizing a number of international conferences including the fifth annual Days of Law conference as well as the fifth annual Conference for Young Lawyers CO-FOLA 2011 and the international interdisciplinary Cyberspace conference, organized in collaboration with FSS.

The faculty continued to contribute to solving actual legal problems by providing expertise, preparing applicable legislation proposals and – in relevant comment proceedings – even contributing to real-world judicature. Academic employees remained active in professional and advisory organs, central public administration bodies, supervisory committees and organs of the Czech Science Foundation, Higher Education Development Fund and additional scientific and educational associations.



Faculty Development

Faculty employees actively participated in dozens of scientific conferences and seminars in the Czech Republic and abroad.

A number of significant international lecturers and experts visited the faculty, engaging in guest lectures and teaching optional courses. A total of 18 courses were taught in English in 2011.

The development of academic employee skills was a top faculty priority in 2011 and a range of conferences and courses were thus organized by the Institute of Legal Skills and Innovation of Studies.

Faculty activities in support of student research included e.g. the Secondary School Scientific Activity competition, which has been announced by the dean on an annual basis since the 1998/1999 academic year. Students were asked to submit original scholarly works in legal categories developed by individual Faculty of Law departments in collaboration with the Supreme Court, Supreme Administrative Court, Supreme Public Prosecutor's Office and a number of solicitor's offices. The authors of winning submissions were nominated for the national round, held at Charles University in Prague in 2011.

Faculty of Law student teams also successfully represented MU at prestigious international moot court competitions.



12.2

Faculty of Medicine



Studies and Degree Programme Development

The faculty opened 13 fields of study in the 2011/12 academic year including two long-cycle Master's medical fields, seven Bachelor's and four Master's fields of study. Two Bachelor's and one Master's field enabled students to enrol in combined mode. The overall number of entrance applications stood at 8,251 – a slight increase over the previous year.

Open days were held on 15 and 19 January 2011 in preparation for the admission procedure, with presentations in the campus assembly hall followed by tours of theoretical units and departments. The event was attended by approximately 1,200 applicants.

Student numbers in the Stomatology field of study have increased and stabilized, with 70 to 80 students enrolled in each year of the Czech programme and 15 to 20 in each year of its English counterpart. Activities were primarily subdivided into coordinating and educational, coordinating and project-related and other ongoing activities. A great deal of attention was devoted to organizing summer work placements for students of all years of study.

The faculty has been involved in a partnership with the Faculty of Electrical Engineering and Communication of the Brno University of Technology and contributed to teaching in the Biomedical Engineering and Informatics field of study. A total of 257 students were enrolled in the field in the 2010/2011 academic year.

Lifelong learning focused on parallel studies of first-year courses accredited in long-cycle Master's, Bachelor's and Master's degree programmes. A total of 56 participants were enrolled in the programme in the 2010/2011 academic year.

Studies in English called for one entrance examination term to take place in Brno and an additional ten to be held abroad. A total of 198 applicants were accepted and 138 subsequently enrolled. The total number of international students in the Stomatology and General Medicine fields of study stood at 409.

A total of 48 outgoing students spent at least one semester abroad during the 2010/2011 academic year and the faculty welcomed 18 incoming international students.

Science and Research

The Faculty of Medicine successfully acquired grant funding for the Optimed project from the Education for Competitiveness Operational Programme. The project aims to innovate teaching in General Medicine, emphasizing problem-solving practices required by a graduate-oriented approach for both clinical and academic purposes.

Faculty press output included 30 textbooks and 22 scholarly publications.

Two annual awards conferred by the dean of the Faculty of Medicine form a significant research work incentive; the awards are presented to scholars for outstanding results in the area of biomedicine and clinical medicine.

A total of 258 scientific and research projects were investigated during the course of the 2010/2011 academic year.

Faculty Development

Cooperation with faculty hospitals is a priority for the Faculty of Medicine, especially with respect to teaching activities. The faculty is also involved in close collaboration with the ICRC and CEITEC projects.

Significant events taking place in 2011 included a faculty-wide conference in September, which – among other issues – provided a venue for the presentation of Optimed, a new study optimization project, and the fifth annual Mefanet conference, held at the Voroněž Hotel congress centre in Brno in November. Conference participants were acquainted with the most recent trends in electronic tools utilized in the training of future Czech and Slovak medical doctors and informed of the current activities of the Medical Faculties Network (Mefanet).



12.3 Faculty of Science

Studies and Degree Programme Development

A total of 4,481 students were enrolled at the Faculty of Science in 2011, 3,789 of them from the Czech Republic. The development of demand for studies is stable, with some fields of study traditionally more popular than others, especially in the area of Biology, Geography and Biochemistry. A total of 5,389 entrance applications were submitted in 2011, 3,175 applicants were admitted and 1,736 subsequently enrolled. An additional 155 students began their first year of doctoral studies.

Fields of study newly accredited in 2011 include Applied and Environmental Geology (Geology Bachelor's degree programme) and Laboratory and Measuring Technology and Nanotechnology – Applied Physics (Applied Physics Bachelor's degree programme).

Applied Mathematics was accredited as a double-subject field of study (Mathematics Bachelor's and Master's degree programmes) and the Biochemistry of Genome and Proteome Master's field of study was accredited in the Biochemistry degree programme.

Accreditation is pending for the following fields of study: Medical Genetics and Molecular Diagnostics (Biology Bachelor's degree programme), Chemoinformatics and Bioinformatics (Biochemistry Master's degree programme), Medical Genetics and Molecular Diagnostics (Biology Master's degree programme) and Applied and Environmental Geology (Geology Master's degree programme).

Science and Research

Maintaining a stable and sufficiently high degree of scientific potential is one of the faculty management's top priorities. In addition to investigating ten long-term research plans, eight faculty-based research centres are home to approximately 80 research teams.

Faculty employees were also involved in a large number of projects with partners such as the Czech Science Foundation (98 projects), Grant Agency of AS CR (8 projects), Higher Education Development Fund (26 projects), Technology Agency of the CR (4 projects) and the Ministry of Industry and Trade (8 projects).

Extensive international scientific and research collaboration contributed to the high number of visiting professors: 44 international lecturers visited the faculty thanks to the INNOLEC programme, i.e. the highest number in programme history. A total of 65 international students (excluding students from Slovakia) were enrolled in doctoral studies.



Faculty Development

Active participation in operational programmes financed by the European Union forms a significant aspect of faculty development, particularly with respect to the Education for Competitiveness Operational Programme (ECOP). Ten new ECOP project applications were submitted in 2011 and the faculty took on the role of partner in the preparatory stages of an additional ten projects. A total of 11 new ECOP projects were launched in 2011, bringing the grand total of ECOP projects implemented at the faculty in 2011 to 26; 20 projects listed the faculty as subsidy beneficiary.

Participation in RDIOP also forms a key faculty development strategy. Following the commencement of two infrastructure projects in the 2.1 Regional R&D Centres area of support in 2010, work on the Centre for Experimental, Systematic and Ecological Biology (CESEB) project was subsequently initiated in June 2011. The infrastructure project is aimed at providing state-of-the-art teaching and research facilities for Biology students.

Furthermore, selected faculty units are also involved in the development of the Central European Institute of Technology (CEITEC), a large-scale strategic project approved by the European Commission and launched in June 2011.

The Faculty of Science was likewise instrumental in preparing the Czech team for its premier performance at the International Junior Science Olympiad for students under 16 years of age which took place in the South African Republic in December 2011.



12.4 Faculty of Arts

Studies and Degree Programme Development

The number of students at the faculty has been stable for the past several years, with 10,681 enrolled as of 31 October 2011; this figure represents an interannual increase of 2.79 %. Applicants for studies submitted 15,826 entrance applications and a total of 4,250 students subsequently enrolled.

Newly accredited fields of study include Ancient History, Czech Language with Orientation on Computational Linguistics, Mediterranean Studies, Theory and History of Science (all in Czech), English Language and Literature, English Linguistics, Literatures in English and Education (all in English).

Over 60 international lecturers visited the faculty in 2011.

Science and Research

Interdisciplinary research at the faculty primarily focuses on three long-term research plans:

- » Interdisciplinary Centre for Research into Prehistoric to High Medieval Social Structures: archaeological theoretical and field research, application of the natural sciences, methodology and informatics, cultural heritage preservation
- » Research Centre for Central-European History: Sources, Land, Culture
- » Centre for the Interdisciplinary Research of Ancient Languages and Older Stages of Modern Languages

A total of 27 Czech Science Foundation projects were being investigated at the faculty in 2011 as well as one project of the Applied Research and Development of National and Cultural Identity (NAKI) programme; a second NAKI project features the FA as a co-principal investigator. Academics also took part in 22 collective specific research projects and seven projects financed by a range of grant systems including the European Union and the Ministry of Labour and Social Affairs – additional subsidy-based projects outside of the research and development area. An additional 24 projects were financed by the Dean's Grant Fund.

Faculty Development

The faculty was involved in two MEYS development projects, 14 Higher Education Development Fund projects and 23 ECOP projects, which were primarily concerned with the development of collaboration with teams at partner institutions (museums, archives, etc.) and gradual involvement in



university-wide and faculty-wide projects (SITMA, FIFA). In order to allow for the implementation of the RDIOP Centre for the Advancement of Research in the Liberal Arts (CARLA) project, the B1/2 building at the Arna Nováka FA complex was vacated and, following the relocating of selected departments, teaching activities were resumed in the faculty building at Joštova Street 13; additional units were relocated to Solniční Street 12.

A number of local as well as international conferences and symposia took place in 2011. The 44th annual Summer School of Slavonic (Czech) Studies and the 5th annual Science Week – including lectures and presentations of various fields – were likewise held at the faculty.

Significant Events and Conferences:

- » How to speak of what has yet to be spoken? Department of Romance Languages and Literatures
- » Key Traditions in Czech Slavonic Studies, Department of Slavonic Studies
- » The Development of Slavonic Studies in the Light of Epistolary Heritage and Other Personal Documents, Department of Slavonic Studies
- » Fantastic Literature – Through the Looking Glass, Czech Literature and Library Studies
- » Czech Polish Studies: New Challenges, New Topics, Polish studies workshop with the participation of Czech and Slovak Polish studies units, Department of Slavonic Studies
- » Czech and Slovak Film Studies doctoral students' conference, Department of Film Studies and Audiovisual Culture
- » Réévaluations: canons littéraires, linguistiques, traductologiques, culturels, Department of Romance Languages and Literatures
- » International Slavonic Studies: Issues in Social Poetry, Organization and Methodology, Department of Slavonic Studies
- » Correspondence and its Linguistic Uses, Department of Czech Language
- » Modern Theories in Classical Philology and Philology of Early Stages of Modern Languages, Centre for the Interdisciplinary Research of Ancient Languages and Older Stages of Modern Languages
- » The Sound of Slavic; Phonetics, Phonemics and Morphophonemics, Department of Linguistics and Baltic Languages
- » Places in Liechtenstein Memory, Department of History
- » Film and Television Industry in Central and Eastern Europe, Department of Film Studies and Audiovisual Culture
- » Postmodernism: Meaning, Function and Interpretation (language – literature – culture – policy), Department of Slavonic Studies



12.5 Faculty of Education

Studies and Degree Programme Development

The overall faculty population stood at 6,818 in 2011: 4,156 students were enrolled in Bachelor's, 706 in long-cycle Master's and 1,777 in Master's degree programmes. The slight interannual decline in numbers may be attributed to Masaryk University's strategy, which calls for a stabilization or even a slight decrease in the total number of students.

While the most sought-after fields of study included combinations with English, Special Education and Social Education, the other end of the spectrum tended to include the natural sciences, especially Physics and Chemistry. The new Kindergarten Teacher Training Bachelor's degree programme became increasingly popular while the number of students enrolled in the Teacher training for Primary Schools registered a decrease, most likely due to market saturation. An additional 179 students were enrolled in doctoral studies. Their temporarily rather low numbers were caused by increasingly demanding study regulations.

Science and Research

Research carried out at the faculty in 2011 included work on two long-term research plans: School and Health for the 21st Century and Special Needs of Pupils in Context with the Framework Educational Programme for Primary Education. The Research Centre on Schooling also continued to develop its activities. Faculty academics also took part in 11 Czech Science Foundation projects and continued to participate in a project funded by the Institute of Geonics of the ASCR.

Seven individual and four partner projects – including three new ones – were investigated under the Education for Competitiveness Operational Programme. A further eight research projects and three conference organization projects were financed from specific research funds allocated by the Rector's Programme.

The Department of Social Education continued to develop its activities in the newly built social and educational centre in Angola, training animators and leisure time educators and analysing project results with the help of a survey. Survey outcomes helped local educators find efficient solutions to the educational needs of both children and adults.



Faculty Development

In 2011 the Faculty of Education acquired sufficient funding from the Research and Development for Innovation Operational Programme to launch construction of the Centre for Research Institutes and Doctoral Degree Studies project, a future multifunctional facility incorporating a library, computer rooms and spaces designed to house five research institutes currently being established at the faculty.

Approved investment activities have already allowed the faculty to finance the construction of an additional wing at Poříčí Street 7. The new addition includes one new lecture hall, six offices for academic workers and doctoral students and the Department of Art workshop equipped with a kiln and pottery wheels.

Further faculty developments include the investigation of 20 Higher Education Development Fund projects, resulting e.g. in the establishment of the Special Pedagogical Centre for Pupils with Autism Spectrum Disorders and helping to launch a series of readings and debates with renowned Czech writers and poets.

Conferences organized by the faculty in connection with the investigation of long-term research plans included the seventh annual School and Health 21 international conference (27–29 June 2011) and the fifth Special Needs of Pupils in Context with Framework Educational Programme for Primary Education international conference (7 September 2011). Additional conference events included e.g. Mixed Design in Educational Research (5–7 September 2011), Multilingualism: Teaching and Learning German after English – Research and Educational Practice (20–21 October 2011) and Perspectives of Research in Inclusive Settings (11 November 2011).



12.6

Faculty of Economics and Administration

Studies and Degree Programme Development

Demand for studies at the Faculty of Economics and Administration is steadily on the rise: the number of entrance applications submitted in 2011 rose by 741 in comparison with the previous year. A total of 2,014 new students were enrolled, raising the faculty student population to 4,884. Administration Publique, a field of study in the Economic Policy and Administration Master's degree programme has been accredited in French and is co-supervised by Masaryk University and the Université de Rennes 1. Thanks to double degree agreements, students enrolled in several Bachelor's fields of study in the Czech Republic were given the opportunity to spend two semesters at the University of Huddersfield (Great Britain) and the University of Victoria (Canada). International applicants, especially from Eastern Europe, turned to studies accredited in English, enrolling in either Business Management or Financial Management Master's degree programmes.

Science and Research

Since 2005 the faculty has operated the Research Centre for the Competitiveness of the Czech Economy, historically the most extensive faculty research project, implemented (up until 2011) with the support of the Research Centres R&D programme (PP2-DP1) of the National Research Programme. The centre's primary outcomes include the analysis of the Czech economy's response to the effects of the recession, the application of model approaches in production factor analysis and the assessment of research into the activities of Czech multinational corporation branches.

Traditional research areas also include macroeconomic modelling of dynamic stochastic general equilibrium models carried out in long-term partnership with the Macroeconomic Forecasting Division of the Czech National Bank. Research was recently expanded to accommodate selected aspects of the Slovak economy, a step which has been viewed as positive by the National Bank of Slovakia.

A team dedicated to interdisciplinary applied research in the area of transport economics successfully developed a programme designed to support research in the humanities and the experimental development of the OMEGA project financed by the Technology Agency of the CR. The project, focusing on the optimization of competition regulation in passenger and freight transport, is hoping to create and introduce new procedures for increasing the efficiency of utilizing all levels of existing public policies in order to provide a platform for



introducing and utilizing new public policies in the Czech Republic with respect to a EU framework.

The faculty is also home to an international team focusing on the development and application of an original integrated sustainable development theory for the Czech Republic in an EU context. Research focusing on the processing and monitoring of Czech national plans for the participation in EU cohesion policies is also taking place.

Long-term research was likewise carried out by a team dedicated to interdisciplinary research of the non-profit sector and civic society, focusing on the development of theory, methodology and practice of non-profit sector and civic society research and the initiation of expert and public debate regarding the social and economic significance of civic society.

Faculty Development

Throughout 2011 the Faculty of Economics and Administration continued to investigate development innovation projects financed from EU Structural Funds and dedicated to supporting graduate and postgraduate studies.

The faculty focused on developing collaboration with important employers in the region, communities, regional authorities, professional associations, significant institutions and public administration organs. Furthermore, a system of internal and external performance indicators aimed at establishing a modern quality assurance mechanism was set up in accordance with the provisions of the faculty strategic plan for the 2011–2015 period.

Significant Events and Conferences:

- » Commemorative Conference: 20th Anniversary of the Establishment of the Faculty of Economics and Administration (2–3 June 2011)
- » 3rd International PhD Students Conference – New Economic Challenges (3 June 2011)
- » European Financial Systems 2011 (3 June 2011)
- » Language Education in Economic Fields and CERF Levels conference (3 June 2011)
- » Current Issues in Mathematics Teaching in Economic Fields workshop (3 June 2011)
- » Economics and Management workshop (3 June 2011)
- » Practice and Placements workshop (3 June 2011)
- » PEARL Conference (26–27 May 2011)
- » International Week (4–8 April 2011)



12.7

Faculty of Informatics

Studies and Degree Programme Development

Applicant numbers experienced a slight increase thanks to a rise in enrolments in Master's studies: from 534 in 2010 to 831 in 2011. The number of applicants from universities outside of MU – largely Bachelor's studies graduates – also continued to grow, as did the number of FI Bachelor's studies graduates: from 251 in 2010 to 290 in 2011. The combined number of Bachelor's and Master's students at the Faculty of Informatics thus stood at 2,493 in 2011 with students from Slovakia accounting for nearly 40 % of the total.

The number of doctoral students rose continually over a three-year period to 130 in 2011; a record-breaking 15 graduates successfully completed their studies in that same year. The number of doctoral studies entrance applications is stable and current student numbers appear to be sustainable in the long term.

No changes in degree programme accreditation were made in 2011. Prospective Bachelor's degree students were presented with a choice of 12 fields of study (including three interfaculty fields) in three degree programmes. Potential Master's degree students were offered a total of 15 fields of study (including one interfaculty and two English-language fields), likewise in three degree programmes. The doctoral studies offer included two fields of study in one degree programme. A debate addressing the issues of graduate profiling and basic compulsory course instruction took place in 2011 with the objective of assessing current trends in informatics and its teaching. The debate contributed to component changes to compulsory courses, effective at the beginning of the 2012/2013 academic year.

Science and Research

The faculty achieved a resounding success in a research centres of excellence competition announced by the Czech Science Foundation and functions as co-principal investigator for three projects: Centre for Large-Scale Multi-Modal Data Interpretation, Centres of Excellence – Institute for Theoretical Computer Science and Dynamics and Organization of Chromosomes in the Cell Cycle and during Differentiation under Normal and Pathological Conditions. A further four research projects were launched with the financial support of the CSF in 2011. Academics were also successful in securing projects announced by the Ministry of Education and Ministry of Interior. The Faculty of Informatics continues to maintain the reputation of a cutting-edge research unit capable of producing internationally recognized results.



Faculty Development

In 2011 the faculty continued to work on the preparation of key development projects associated with the CERIT centre: Research and Education and Science Park. The faculty-based Celebrio Software team successfully entered the final round of Microsoft Imagine Cup, the world's most prestigious programming competition. Moreover, individual team members received several national awards such as Vodafone Idea of the Year and Economist Student – Entrepreneur.

The FI Association of Industrial Partners celebrated five years since its establishment in 2011 and held two traditional events. Thanks to active collaboration with 25 companies including CEPIA Technologies, IBA CZ, Lexical Computing, Red Hat and Y Soft, the faculty managed to produce results which may be of considerable interest for both students FI research laboratories.

A large number of research and development projects were developed in close collaboration with partner companies. The faculty received a substantial amount in support of corporate partnerships and graduate training from operational programme projects at all levels of studies. In 2011 the faculty was involved in joint ventures with both regional and multinational partners, launching new collaborative projects such as iCorn.



12.8

Faculty of Social Studies

Studies and Degree Programme Development

In 2011 the faculty registered a modest increase in demand for Master's studies and simultaneously a slight decrease in the number of Bachelor's studies applicants. The overall student population also shrunk slightly, primarily due to the faculty's focus on intensive rather than extensive degree programme development. Although full-time Bachelor's studies are gradually beginning to replace the combined form, some new combined studies – such as single-subject Journalism – have been accredited.

Fields newly accredited in English include Public Policy and Human Resources and Energy Security Studies; accreditation-seeking materials for the Cultural Sociology field of study has been submitted to MEYS.

A traditional survey evaluating nine field of study categories at 67 faculties ranked FSS Sociology and Psychology in first place.

Science and Research

Research units based at the Faculty of Social Studies, i.e. the Institute for Comparative Political Research, Institute for Research on Social Reproduction and Integration and Institute for Research on Children, Youth and Family, continued to investigate three long-term research plans.

A number of experts also participated in international research teams investigating EU programmes. The Seventh Framework Programme project entitled Ethnic Differences in Education and Diverging Prospects for Urban Youth in an Enlarged Europe, examining the lives and education of young people in various ethnic contexts, was successfully completed and two new FP7 projects were launched in its stead: NEUJOBS – Employment 2025: How Will Multiple Transitions Affect the European Labour Market and FLOWS – Impact of Local Welfare Systems on Female Labour Force Participation and Social Cohesion.

A range of research projects were implemented with the support of various Czech agencies and institutions, including the Czech Science Foundation (25 projects), Grant Agency of AS CR (1 project), Ministry of the Interior (1 project) and MEYS National Research Programme II (1 project).



Faculty Development

Additional research activities took place within the framework of joint projects with government units, primarily the Research Institute for Labour and Social Affairs of the Czech Republic. The faculty also collaborates with regional and municipal authorities. Partnership with non-governmental organizations centres on issues such as social prevention and intervention, minorities, the Romani ethnic group and environmental restoration and conservation. In collaboration with the South Moravian Innovation Centre, Environmental Partnership foundation and Environmental Law Service, the Department of Environmental Studies continued the implementation of the Eco-Incubator project. The department also co-organized an international conference entitled Beauty and the Beast: Aesthetics, Ethics and Zoological Gardens.

The Department of International Relations and European Studies was involved in collaborative projects with companies such as CEZ, ČEPS, RWE, Museum of Oil Mining and Geology and the Prague Stock Exchange.

The third annual Multimedia Day was organized by the Department of Media Studies and Journalism in November with the objective of presenting current trends in the media in an interactive fashion. Event partners included important Czech media such as Czech TV, Czech Radio, Deník and Mladá fronta DNES.

The Department of Psychology hosted an international symposium (May 3) dedicated to research into the psychotherapeutic process; attendees included visiting lecturers from the USA, Ireland, Switzerland, Germany and the Czech Republic.

The Department of Sociology organized the 11th annual Conflict in Identities, Identities in Conflict international conference as well as holding the Sociology of Tomorrow student conference, the Third City urban studies conference and an international summer school of cultural sociology entitled Memory, Culture and Identity.

The FSS library held the 18th annual Caslin international seminar, one of the most prestigious library events in the Czech Republic.



12.9

Faculty of Sports Studies

Studies and Degree Programme Development

A total of 1,550 students were enrolled at the Faculty of Sports Studies in 2011, i.e. an increase of 2.2 % in comparison with the previous year. The slight increase is primarily due to a rise in the number of students admitted for studies in fields implemented on the basis of ECOP projects.

Interest in studies grew especially among applicants for Bachelor's studies: entrance application numbers increased by 15 % (from 2,532 in 2010 to 2,911 in 2011). Physical Education and Sport was among the most popular fields of study, especially thanks to the newly opened Football Referee and Ice Hockey Referee specializations. Newly accredited Master's studies fields of study include Management in Sport (combined studies, previously only available in full-time mode), which resulted in an increase in the number of submitted entrance applications for Master's studies.

The faculty is currently continued to participate in interfaculty studies in partnership with the Faculty of Education, Faculty of Social Studies, Faculty of Arts and Faculty of Informatics. It was possible to combine fields of study in both Bachelor's and Master's degree programmes. Combinations linking physical education and fields such as Geography, English and Civic Education have proved most popular.

Science and Research

The Faculty of Sports Studies successfully completed eight specific research projects in 2011. The faculty likewise continued to participate as co-principal investigator in Comparative Police Studies in the EU (COMPOSITE), an FP7 project focusing primarily on security forces research. New facilities include a sports medicine ambulance facility designed to provide services in the field of stress diagnosis and a health promotion centre specializing in functional diagnosis, physiotherapy services and nutrition counselling.

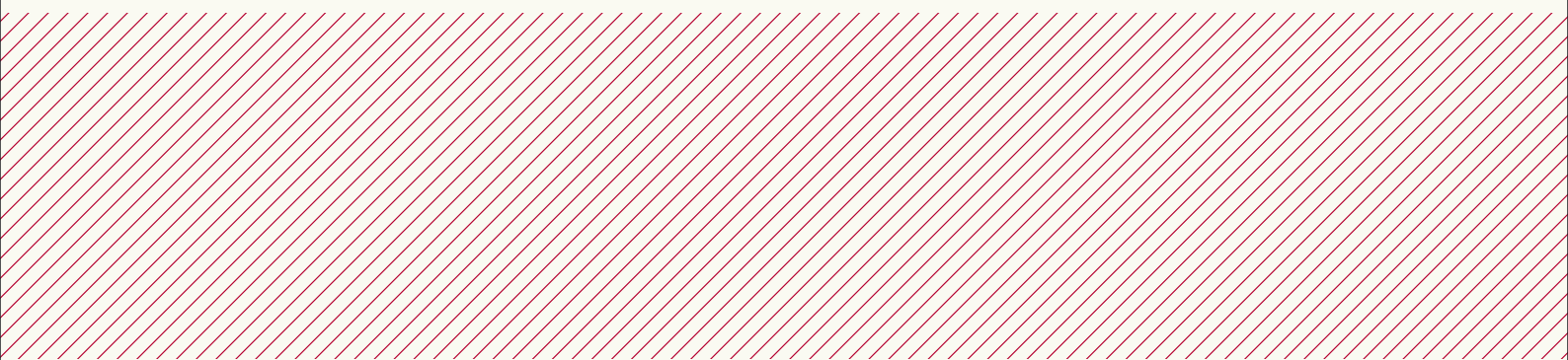


Faculty Development

Faculty academic employees participated in a number of international undertakings in 2011. In addition to international scientific conferences, seminars and Erasmus programme educational placements, the faculty also developed international ties with the Shanghai University of Sport and the Lakshmibai National University of Physical Education in Gwalior. Cooperation with the International Network in Sport and Health Science (INSHS) also continued to thrive, as did the faculty's involvement in partnerships with secondary schools. Seminars and open days organized thanks to the Partnership in Education project attracted large numbers of applicants.

The faculty also participated in a range of sports-related regional activities launched in partnership with the South Moravian Region. The international seminar Psychomotricity and its Role in the Education Process took place thanks to the Development of Teaching and Research Activities ECOP project while international workshops were hosted in partnership with Kociánka and the Educational Drama for the Deaf Studio of the Janáček Academy of Music and Performing Arts (JAMU). The faculty also co-organized the fifth annual Biathlon World Cup, held in Nové Město na Moravě.

The eighth annual international scientific conference Sport and Quality of Life was held in November 2011 and attended by 140 experts – including 53 internationals – from 10 countries.



List of Abbreviations

UNIVERSITY

CARLA	Centre for the Advancement of Research in the Liberal Arts
CCE	Centre of Civic Education
CEITEC	Central European Institute of Technology
CERIT	Centre for Education, Research and Innovation in ICT
CESEB	Centre for Experimental, Systematic and Ecological Biology
CETOCOEN	Centre for the Study of Toxic Substances
CRD	Centre for Regional Development
CSIRT-MU	Computer Security Incident Response Team
CVIDOS	Centre for Research Institutes and Doctoral Degree Studies
FA	Faculty of Arts
FEA	Faculty of Economics and Administration
FEdu	Faculty of Education
FI	Faculty of Informatics
FLaw	Faculty of Law
FMed	Faculty of Medicine
FSci	Faculty of Science
FSpS	Faculty of Sports Studies
FSS	Faculty of Social Studies
IBA	Institute of Biostatistics and Analyses
ICS	Institute of Computer Science
IIPS	International Institute of Political Science
LC	Language Centre
MM	Mendel Museum
MU	Masaryk University
OIS	Office for International Studies
RMU	Masaryk University Rector's Office
SCSSN	Support Centre for Students with Special Needs
SKM	Accommodation and Catering Services
TTO	Technology Transfer Office
UCB	University Campus Bohunice
UCT	University Centre Telč

GENERAL

ASCR	Academy of Sciences of the Czech Republic
BIOCEV	Biotechnology and Biomedicine Center of the Academy of Sciences and Charles University in Vestec
BUT	Brno University of Technology
C	Combined studies
CerleS	European Confederation of Language Centres in Higher Education
CGU	Compostela Group of Universities
CSF	Czech Science Foundation
DS	Diploma Supplement
EAIE	European Association for International Education
ECOP	Education for Competitiveness Operational Programme
ECTS	European Credit Transfer and Accumulation System
ECU	economic unit
EEA	European Economic Area
EEC	European Economic Community
EIB	European Investment Bank
EIR	electronic information resources
EIS	economic information system
EMAIL	Academic Mobility between EU and Israel
F	Full-time studies
FM EEA	Financial Mechanism of the European Economic Area

FP6	Sixth Framework Programme
FP7	Seventh Framework Programme
FRIA	Fund for the Reproduction of Investment Assets of Universities
FRVŠ	Higher Education Development Fund
GA AS CR	Grant Agency of the Academy of Sciences of the Czech Republic
HRDOP	Human Resources Development Operational Programme
ICCHP	International Conference on Computers Helping People with Special Needs
ICRC	International Clinical Research Centre
ICT	information and communication technology
IFMSA	International Federation of Medical Students Associations
IGA	Internal Grant Agency of the Ministry of Health
ILBIT	Integrated Laboratories for Biomedical Technologies
INFOZ	Information Resources for Research
IS MU	Masaryk University Information System
ISC	International Student Club
ISEP	International Student Exchange Program
JCMM	South Moravian Centre for International Mobility
JHEF	Jan Hus Educational Foundation
JIC	South Moravian Innovation Centre
LL.M.	Master of Laws
LLP	lifelong learning programme
LLP	Lifelong Learning Programme
LPT	Learning potential test
MENDELU	Mendel University in Brno
MEYS	Ministry of Education, Youth and Sports
MPA	Master of Public Administration
NAFSA	Association of International Educators
NRP	National Research Programme
NSA	National Security Authority
OCR	optical character recognition
R&D	research and development
RDIOP	Research and Development for Innovation Operational Programme
RIV	Information Register of R&D Results
RKO	Regional Contact Organization
SoMoPro	South Moravian Programme for Distinguished Researchers
SUPO	System of Settlement of Individuals' Claims (account system)
SW	software
U3A	University of the Third Age
UVPS	University of Veterinary and Pharmaceutical Sciences Brno

MASARYK UNIVERSITY ANNUAL ACTIVITY REPORT 2011

Issued by Masaryk University, 2012

Editor-in-chief/ Šárka Hrabínová

Editor/ Pavla Hudcová

Translation/ David Konečný

Production/ Public Relations and Marketing Office, Rector's Office

Authorial and Editorial Assistance/ Tereza Fojtová, Ondřej Hofírek,
Petr Polčáková, Jana Sobotková

Graphic Design and DTP/ EXACTDESIGN, Pavel Jílek, Jana Panáčková

Photography/ Aleš Ležatka, Zdeněk Náplava, David Povolný,
Michal Kalášek/Mediafax, Ivica Šúrová, Miroslav Mašek,
Magdalena Pazourková, Tomáš Muška, Marie Kazmer and MU,
muni.cz and CEITEC photo archives

Print/ Tiskárna Didot, spol. s r.o., Trnkova 119, 628 00 Brno,
Czech Republic

1st edition, 2012

