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# 01

## Introduction

This annual report presents the activities of Tomas Bata University in Zlín (TBU) in the fifth year of its existence.

The number of students continued to increase in 2005 and the range of study programmes offered by the University widened. Altogether 8,544 students studied in 28 accredited programmes and 57 courses. In the course of the year the preparations for the establishment of the new Faculty of Applied Informatics were finalized.

TBU in Zlín, in cooperation with the Institute of Interdisciplinary Studies in Brno, accredited a follow-up master programme in Pedagogy with a course in Social Pedagogy. A new programme, Philology, with a course English for Business Administration was opened. As well, there were further possibilities for study in lifelong learning programmes, and the University of the Third Age expanded significantly, opening three new courses.

In 2005, TBU signed 9 new framework contracts of mutual cooperation and significantly increased the number of bilateral agreements with foreign partners, also within the Erasmus/Socrates programme (for the detailed list of the framework contracts and bilateral agreements see Chapter 10). International cooperation in education focuses, among other things, on increasing the number of foreign students at TBU. In 2005, there were 506 foreign students from 10 countries (including students from Slovakia, Vietnam, and students coming for short-term stays within the framework of the signed bilateral agreements).

In the sphere of investment development, attention focused on improving the material and technological resources by reconstructing the current buildings and providing classrooms with audio-visual equipment. As well, the construction of the University Centre began.

In the same period, preparations continued for the establishment of a fifth faculty, with a focus on humanities.

In the academic year 2006/2007, some study courses are going to be opened in the new TBU facility in Uherské Hradiště.

A handwritten signature in black ink, appearing to read 'Petr Saha', is centered on the page. The signature is fluid and cursive.

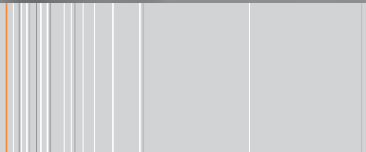
Prof. Ing. Petr Saha, CSc.

Rector



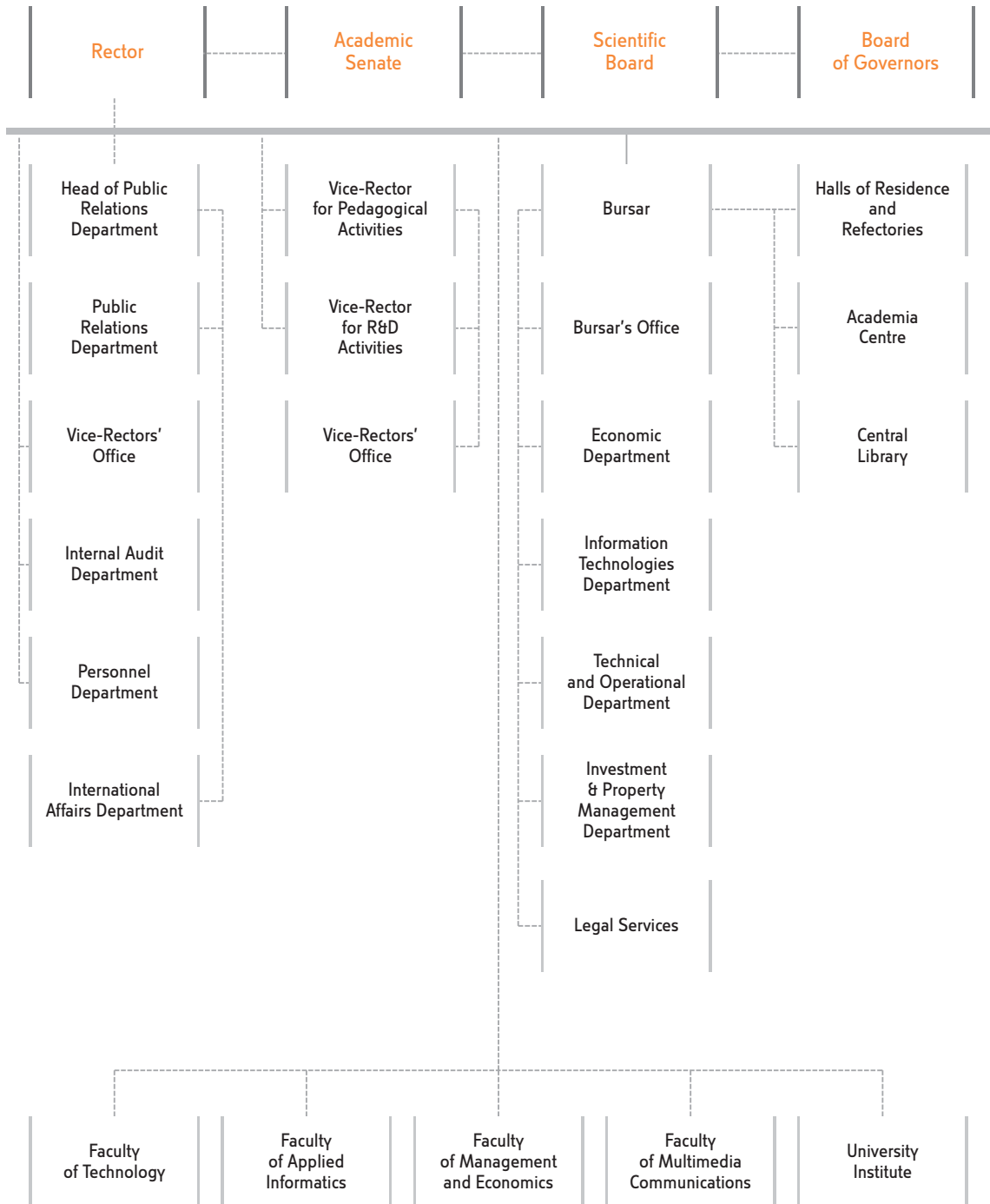
**02**

**Structure of the University**





## 02.1 | University Organizational Structure |





**03**

**University  
Administrative Bodies**

## 3.1 | Board of Governors |

### Chairperson

Tomáš BAŤA, Dr. Hon.

*Bata Ltd., Toronto, Canada*

### Deputy Chairpersons

PhDr. Zdeněk DOSTÁL

Ing. Michaela ŠOJDROVÁ

*Mayor of Zlín 1998–2002*

*Member of the Committee for Science, Education, Culture, Youth and Sports, Parliament of the Czech Republic, Chamber of Deputies*

### Members

Ing. Eduard JANOTA

Ing. Josef KUBÍČEK

Mgr. Irena ONDROVÁ

Mgr. Václav PÍCL

*First Deputy Minister, Ministry of Finance, Czech Republic*

*Bursar, Charles University, Prague*

*Deputy Mayor, Statutory Town of Zlín*

*First Deputy Minister, Ministry of Education, Youth and Sports, Czech Republic*

František SLAVÍK

*Governor, Regional Authorities Zlín*

*(member of the Board until June 9, 2005; since June 10, 2005 place vacant)*

Doc. Ing. Jiří VOLF, CSc.

*Deputy Minister, Ministry of Finance, Czech Republic*

### Secretary to the Board

Ing. Andrea KADLČÍKOVÁ

*Head of Public Relations Office, TBU*

## 3.2 | Scientific Board |

### Chairperson

Prof. Ing. Petr SÁHA, CSc.

*Rector, Tomas Bata University in Zlín*

### External Members

Prof. Ing. Ferdinand DEVÍNSKY, DrSc., Dr. Hon. *Professor, Comenius University, Bratislava, Faculty of Pharmacy*

Prof. Ing. Vladimír KUČERA, DrSc., Dr. Hon. *Dean, Czech Technical University in Prague, Electro-Technical Faculty*

Prof. Ing. Miroslav LUDWIG, CSc.

*Rector, University of Pardubice*

Prof. RNDr. Milan MAREŠ, DrSc.

*Director, Academy of Sciences of the Czech Republic, Prague, Institute of Information Theory and Automation*

Ing. Leoš NOVOTNÝ

*General Manager, HAMÉ, a. s.*

Ing. Pavel PRAVEC

*Executive, Barum Continental, Otrokovice*

Doc. Ing. Josef PRŮŠA, CSc.

*Rector, University of West Bohemia in Plzeň*

Prof. Ing. Oldřich PYTELA, DrSc.

*Professor, University of Pardubice*

Ing. Jiří ROSENFELD, CSc.

*General Manager, Slováké strojírný, Uherský Brod*

Prof. PhDr. Lubomír SLAVÍČEK, CSc.

*Professor, Masaryk University in Brno, Faculty of Philosophy*

Prof. PaedDr. Iva STUHLÍKOVÁ, CSc.

*Vice-Dean, University of South Bohemia in České Budějovice, Faculty of Pedagogy*

Prof. Ing. Gustav TOMEK, DrSc.

*Professor, Czech Technical University in Prague*

Doc. Ing. Karel ULBRICH, DrSc.

*Director, Academy of Sciences of the Czech Republic, Prague, Institute of Macromolecular Chemistry*

Prof. Ing. Petr VAVŘÍN, DrSc.

*Rector Emeritus, Technical University in Brno*

Prof. RNDr. Ing. Jan VRBKA, DrSc., Dr. Hon.

*Rector, Technical University in Brno*

Prof. Ing. Juraj WAGNER, Ph.D.

*Rector, Technical University in Trenčín*

### Internal Members

Doc. Ing. Roman BOBÁK, Ph.D.

*Vice-Dean, Faculty of Management and Economics*

Prof. Ing. Vladimír BOBÁL, CSc.

*Professor, Faculty of Technology*

Prof. Ing. Ignác HOZA, CSc.

*Head of the Department of Food Engineering and Chemistry, Faculty of Technology*

Doc. PhDr. Ing. Aleš GREGAR, CSc.

*Vice-Dean, Faculty of Management and Economics*

Prof. Ing. Lubomír LAPČÍK, DrSc., Dr. Hon.

*Vice-Dean, Faculty of Technology*

Ing. Alena MACHÁČKOVÁ, CSc.  
Prof. Ing. Miroslav NEJEZCHLEBA, CSc.  
Doc. PhDr. Vnislav NOVÁČEK, CSc.  
Doc. Dr. Ing. Drahomíra PAVELKOVÁ  
Doc. PhDr. Dušan PAVLŮ, CSc.  
Doc. Ing. Roman PROKOP, CSc.  
Doc. Ing. Jaroslav SVĚTLÍK, Ph.D.  
Prof. Ing. Josef ŠIMONÍK, CSc.  
Prof. Pavel ŠKARKA, MFA  
Prof. PhDr. Vlastimil ŠVEC, CSc.  
Prof. Ing. František TRNKA, CSc.  
Prof. Ing. Vladimír VAŠEK, CSc.

*Chairperson, TBU Academic Senate*  
*Professor, Faculty of Management and Economics*  
*Dean, Faculty of Management and Economics*  
*Vice-Rector for R&D*  
*Docent, Faculty of Multimedia Communications*  
*Vice-Rector for Pedagogical Activities*  
*Dean (from August 1, 2005), Faculty of Multimedia Communications*  
*Dean, Faculty of Technology*  
*Vice-Dean (from August 1, 2005), Faculty of Multimedia Communications*  
*Head of the Department of Pedagogical Sciences, University Institute*  
*Profesor, Faculty of Management and Economics*  
*Head of the Institute of Process Control and Applied Informatics,*  
*Faculty of Technology*

The TBU Scientific Board convened three times in the course of the year 2005. On 22<sup>nd</sup> February, the main issue was the procedure for the professorial nomination of Doc. RNDr. Ignác Capek, DrSc. Based on a secret vote, the proposal for the professorial nomination was forwarded to the Ministry of Education, Youth and Sports, and, finally, Doc. Capek was appointed a Professor by the Czech President, as of 1<sup>st</sup> November 2005.

On 17<sup>th</sup> May 2005, the Scientific Board discussed and approved the proposal to establish the 4<sup>th</sup> faculty of the TBU in Zlín - the Faculty of Applied Informatics. The third sitting was held on 4<sup>th</sup> October 2005. The proceedings for professorial nomination of Doc. Dr. Ing. Ludvík Hub took place, and on the basis of a secret vote the proposal was forwarded to the Ministry of Education, Youth and Sports. The Long-Term Plan for Education, Science, Research, Development, Arts and Other Creative Activities at TBU in Zlín for the period 2006-2010 was discussed, as well as the Updating of the Long-Term Plan for Education, Science, Research, Development, Arts and Other Creative Activities for the year 2006.

### 3.3 | Academic Senate |

#### Chairperson

Ing. Alena MACHÁČKOVÁ, CSc.

#### Deputy Chairpersons

Ing. Zuzana DOHNALOVÁ, Ph.D.  
Ing. Daniel REMEŠ

*Chairperson of the Chamber of Academic Staff*  
*Chairperson of the Chamber of Students*

#### Academic Staff Members

PhDr. Magda GREGAROVÁ  
Prof. Ing. Ignác HOZA, CSc.  
Mgr. Štefan CHUDÝ, Ph.D.  
Rostislav ILLÍK, MFA  
Ing. Vratislav KOZÁK, Ph.D.  
Mgr. Pavel KRUTIL  
Doc. Ing. Anežka LENGÁLOVÁ, Ph.D.  
Ing. Dobroslav NĚMEC  
Doc. Dr. Ing. Vladimír PAVLÍNEK  
Mgr. Štěpán PRACHAŘ  
Ing. Zdeněk RAŠKA, Ph.D.  
Ing. Tomáš SYSALA, Ph.D.  
Doc. Ing. Oldřich ŠUBA, CSc.

*until February 28, 2005*

*from March 1, 2005*

#### Students

Bc. Romana BARTOŠÍKOVÁ  
Bc. Michal BLAHA  
Radek HABADA  
Petr HÁJEK  
Bc. Tomáš KARLÍK  
Bc. Rudolf KOUKOL  
Pavla KUČEŘÍKOVÁ

*until April 4, 2005*

*from April 19, 2005*

*from September 27, 2005*

Zuzana PERNICOVÁ  
Ing. Martin PROCHÁZKA  
Vladimír ŠEDA

*until February 28, 2005*

*from March 15 until June 21, 2005*

In 2005, 13 proper sittings of the TBU Academic Senate took place. At the meetings the Academic Senate discussed and approved the TBU Budgetary Regulations for the year 2005, the TBU Budget for 2005 – part I and II, II. Changes and Completion to the Salary Regulations for TBU, the Annual Report for 2004, the Annual Report on Economic Activities for 2004, the TBU Long-Term Aims and Objectives for the period 2006–2010 and the TBU Updating of the Long-Term Aims and Objectives for the year 2006.

The TBU Academic Senate discussed and approved the new text of the TBU Statute and the I. Amendment to the Statute, Amendment and Completion of the Electoral and Proceedings Regulations for the Academic Senate and the new TBU internal regulations – Regulations for founding legal entities and for financial and non-financial investments into these and other legal entities of TBU. The new TBU Scholarship Regulations had to be discussed and approved as a consequence of the newly established accommodation scholarship.

The TBU Academic Senate discussed and approved the regulations for admission proceedings and internal regulations for the study programmes taught at the University, which will complement the TBU Study and Exam Regulations and the TBU Scholarship Regulations.

The Academic Senate also approved the Scientific Board for the University Institute (UNI), the Proceedings Regulations for the UNI Scientific Board, the UNI Study Programmes Board, the Report on Economic Activities at UNI in 2004, and Distribution of Financial Resources at UNI in 2005.

The Senate also discussed and approved proposals for internal regulations for TBU faculties, namely the Electoral and Proceedings Regulations for the Academic Senate of the Faculty of Multimedia Communications, the Electoral and Proceedings Regulations for the Academic Senate of the Faculty of Technology, the FT Statute and the FaME Statute.

Furthermore, the Senate delegated representatives of TBU and its Faculties for the Council of Universities for the period 2006–2008.

On 10<sup>th</sup> May 2005, an extraordinary sitting of the TBU Academic Senate took place, where the Senate, on the Rector's proposal, approved the establishment of the Faculty of Applied Informatics (FAI) as of 1<sup>st</sup> January 2006.

Subsequently, the TBU Academic Senate approved the Electoral and Proceedings Regulations for the FAI Academic Senate, and announced the elections for FAI representatives to the TBU Academic Senate so that the newly founded faculty is able to establish, as soon as possible, its own self-regulating bodies.

## 3.4 | Other TBU Bodies |

### Rector

Prof. Ing. Petr SÁHA, CSc.

### Bursar

RNDr. Alexander ČERNÝ

## TBU MANAGEMENT

### Rector

Prof. Ing. Petr SÁHA, CSc.

### Vice-Rectors

Prof. Ing. Roman PROKOP, CSc.

Doc. Dr. Ing. Drahomíra PAVELKOVÁ

*Vice-Rector for Pedagogical Activities; Statutory Deputy*

*Vice-Rector for R&D*

### Bursar

RNDr. Alexander ČERNÝ

### Chairperson of the TBU Academic Senate

Ing. Alena MACHÁČKOVÁ, CSc.

## Deans

Prof. Ing. Josef ŠIMONÍK, CSc.  
Doc. PhDr. Vnislav NOVÁČEK, CSc.  
Prof. Pavel ŠKARKA, MFA  
Doc. Ing. Jaroslav SVĚTLÍK, Ph.D.

*Faculty of Technology*  
*Faculty of Management and Economics*  
*Faculty of Multimedia Communications (until July 31, 2005)*  
*Faculty of Multimedia Communications (from August 1, 2005)*

## Head of the University Institute

Ing. Jitka CHUDAROVÁ

## Head of Public Relations Office

Ing. Andrea KADLČÍKOVÁ

## RECTOR'S ADVISORY COUNCIL

### Rector

Prof. Ing. Petr SÁHA, CSc.

### Vice-Rectors

Prof. Ing. Roman PROKOP, CSc.  
Doc. Dr. Ing. Drahomíra PAVELKOVÁ

*Vice-Rector for Pedagogical Activities; Statutory Deputy*  
*Vice-Rector for R&D*

### Bursar

RNDr. Alexander ČERNÝ

## Chairperson of the TBU Academic Senate

Ing. Alena MACHÁČKOVÁ, CSc.

## Deans

Prof. Ing. Josef ŠIMONÍK, CSc.  
Doc. PhDr. Vnislav NOVÁČEK, CSc.  
Prof. Pavel ŠKARKA, MFA  
Doc. Ing. Jaroslav SVĚTLÍK, Ph.D.

*Faculty of Technology*  
*Faculty of Management and Economics*  
*Faculty of Multimedia Communications (until July 31, 2005)*  
*Faculty of Multimedia Communications (from August 1, 2005)*

## Head of the University Institute

Ing. Jitka CHUDAROVÁ

## Head of Public Relations Office

Ing. Andrea KADLČÍKOVÁ

## Head of the Personnel Department

Bc. Renata BARTOŠOVÁ

## Director of the IT Centre

Mgr. Monika HRABÁKOVÁ

## Department of Internal Audit

Ing. Lenka PUCHTOVÁ

## Director of the Central Library

Jarmila TRNČÁKOVÁ

## Director of the Halls of Residence and Refectories

Ing. Josef ZELA

## Chairperson of the Student Chamber of the Academic Senate

Ing. Daniel REMEŠ

VYKAZ  
O STUDIU  
V SOUKROMÉ ŠKOLE

VYKAZ  
O STUDIU  
V SOUKROMÉ ŠKOLE



## 4.1 | Study Programmes |

In the year 2005, TBU ran full-time and combined bachelor, master and doctoral programmes in natural sciences, technical sciences, humanities, economics, pedagogy, fine arts and health care. Altogether, there were 57 study courses

in 28 accredited programmes. All programmes were accredited or re-accredited in agreement with the Bologna Declaration, i.e. as follow-up two- or three-level study for bachelor, master or doctoral degree (3 + 2 + 3).

### Number of Study Programmes and Courses at TBU

| Table No. 1

Course Group	Code	Study Programmes/Courses				Total Number of Programmes/Courses
		Bachelor	Master	Follow-up Master	Doctoral	
Natural Sciences	11-18		0/1		0/1	0/2
Technical Sciences	21-39		5/8	2/8	5/13	3/4
Agricult., Forestry, and Veter. Studies	41-43					
Health Care, Medical, and Pharmaceutical Studies	51-53		1/2			1/2
Social Sciences and Services	61, 65, 67, 71-74		2/2		1/1	3/3
Economics	62		2/6	1/1	2/5	1/1
Law and Public Administration	68					
Pedagogy and Social Care	75		2/2		1/2	3/4
Psychological Sciences	77					
Culture and Arts Studies	81, 82					
<b>Total</b>	<b>11-82</b>		<b>12/21</b>	<b>3/9</b>	<b>9/22</b>	<b>4/5</b>

## 4.2 | Study Programmes Guaranteed by TBU and Taught at Local Colleges |

Applicants interested in selected economics courses can apply for a bachelor programme taught in cooperation with the Tomas Bata Business Academy and the Higher Professional School of Business in Zlín, which offers courses in Marketing and Financial Management of Enterprises in both full-time and combined forms of study, and a full-time course in Public Economics and Administration.

Within the course Shoemaking Technology, a joint full-time bachelor programme in Chemistry and Materials Technology run in cooperation with the Tomas Bata Business Academy and the Higher Professional School of Business in Zlín is finishing.

In cooperation with the Film School in Zlín, a bachelor programme in Fine Arts was accredited and taught at the Faculty of Multimedia Communications, a course in Multimedia and Design with specialization in Animation Design. In order to widen the offer for applicants interested in medical subjects, a new bachelor programme in Health Care with courses in General Nursing and Midwifery was accredited in 2004 in cooperation with the Higher School of Health Care Studies in Zlín.

## 4.3 | Study Programmes Taught off the University Premises |

Full-time bachelor study in programmes Process Engineering and Engineering Informatics is available also at remote TBU facilities in Vsetín and Přerov. Combined bachelor study in Pedagogy, a course in Social Pedagogy, is run in cooperation with the Institute of Intercultural Studies in Brno. In Kroměříž, students can study a full-

time bachelor programme in Chemistry and Food Technology at the remote TBU facility. The first steps have been taken to open the Regional Educational Centre in Uherské Hradiště in 2006, where bachelor programmes in Fine Arts, Economics and Management, and Chemistry and Food Technology will be studied.

## 4.4 | Use of the Credit System |

All study programmes at TBU use a unified credit system that is fully compatible with the European ECTS standard. The basic characteristics of the unified credit system are as follows:

- one credit represents 1/60<sup>th</sup> of the average annual study

load for the standard length of studies,

- each subject is allocated a number of credits that reflects the relative degree of study work required for the successful completion of a given subject,
- on successfully completing a course, a student obtains



- the number of credits allocated to the particular subject,
- the credits obtained within one study programme add up,
- the number of credits obtained serves as a tool for checking students' progress in studies.

This credit system and students' good knowledge of languages are perceived as essential conditions for the University's entry into the European Mobility Programme and into the European educational environment. Since

2004, the ECTS evaluation system has been used at the University. Furthermore, the preparation of the ECTS handbook and its translation has been finished, so that the University can be listed among universities open for students in the European educational environment. The handbook is available at the TBU website and it has been sent to the national agency for Socrates.

## 4.5 | Lifelong Learning Programmes |

In order to widen the possibilities for study at TBU, new bachelor and master lifelong learning courses were opened 2005 within the accredited study programmes in Economics and Management and Economic Policy and Administration.

The Faculty of Technology offered the wide public the possibility to attend certified courses within the Infor-

mation Literacy Project, organized by the Institute of Process Control and Applied Informatics.

The lifelong learning activities at the University Institute took form of an educational course in Teaching IT at elementary and secondary schools. Furthermore, a number of short-term courses for companies and general public were taught at TBU as a part of the lifelong learning programme.

### Number of Lifelong Learning Programmes

| Table No. 2

Course Group	Course Group Code	Accredited Lifelong Learning Programme		Other	Total
		Free of Charge	Paid		
Natural Sciences	11-18			1	1
Technical Sciences	21-39			3	3
Agricult., Forestry, and Veter. Studies	41-43				
Health Care, Medical, and Pharmaceutical Studies	51-53				
Social Sciences and Services	61, 65, 67, 71-74			2	2
Economics	62		2	2	4
Law and Public Administration	68				
Pedagogy and Social Care	75			1	1
Psychological Sciences	77				
Culture and Arts Studies	81, 82			1	1
<b>Total</b>	<b>11-82</b>		<b>2</b>	<b>10</b>	<b>12</b>

### Number of Students in TBU Lifelong Learning Programmes

| Table No. 3

Course Group	Course Group Code	Accredited Lifelong Learning Programme		Other	Total
		Free of Charge	Paid		
Natural Sciences	11-18			27	27
Technical Sciences	21-39			138	138
Agricult., Forestry, and Veter. Studies	41-43				
Health Care, Medical, and Pharmaceutical Studies	51-53				
Social Sciences and Services	61, 65, 67, 71-74			159	159
Economics	62		107		107
Law and Public Administration	68				
Pedagogy and Social Care	75			59	59
Psychological Sciences	77				
Culture and Arts Studies	81, 82			51	51
<b>Total</b>	<b>11-82</b>		<b>107</b>	<b>434</b>	<b>541</b>

## 4.6 | University of the Third Age |

The lifelong learning scheme at TBU also includes the programmes of the University of the Third Age, designed for senior citizens.

The studies at the University of the Third Age have been running at TBU since 2002 in two-year cycles. There are altogether 351 students in the programmes of the University of the Third Age; 121 students finished their studies in June 2005. In the year 2005, studies in three study

programmes continued: Social Sciences, Technology and Economics, and Fine Arts. Newly opened programmes were: Practical Computer Skills, Media and Communications, and Astronomy and Ecology. Studies continued at the remote workplace in Vsetín, and a new remote workplace for the University of the Third Age is being prepared for opening in Kroměříž.

## 4.7 | Applicants' Interest in Studying at TBU |

Table No. 4

Course Group	Course Group Code	Number of				
		Applications Received <sup>1)</sup>	Applicants <sup>2)</sup>	Accepted <sup>3)</sup>	Newly Accepted <sup>4)</sup>	Registered <sup>5)</sup>
Natural Sciences	11-18	566	566	416	416	333
Technical Sciences	21-39	1,647	1,647	1,296	1,296	967
Agricult., Forestry, and Veter. Studies	41-43					
Health Care, Medical, and Pharmaceutical Studies	51-53	483	483	139	139	100
Social Sciences and Services	61, 65, 67, 71-74	806	608	333	333	283
Economics	62	4,251	4,251	1,583	1,583	1,255
Law and Public Administration	68					
Pedagogy and Social Care	75	2,116	2,116	609	609	532
Psychological Sciences	77					
Culture and Arts Studies	81, 82	758	739	195	195	191
<b>Total</b>	<b>11-82</b>	<b>10,627</b>	<b>10,608</b>	<b>4,571</b>	<b>4,571</b>	<b>3,661</b>

### Notes:

- <sup>1)</sup> Total number of applications received.
- <sup>2)</sup> Number of applicants for study. The figures express the number of individuals; the study courses totals include multiple applications (i.e. students applying for more than one course)
- <sup>3)</sup> Number of applications responded to positively.
- <sup>4)</sup> Number of accepted applicants. The figures express the total number of individuals; the study courses totals include applicants accepted to more than one course.
- <sup>5)</sup> Number of accepted students who actually registered to start their studies.

In 2005, the University received 10,627 applications for study. After the admission proceedings, 3,661 students, i.e. 34% of applicants, were accepted and registered for study. The interest in study varies in individual study fields. The ratio between the accepted students and received applications in individual University units is 25 to 59%.

The University pays great attention to attracting quality applicants. To achieve this, it maintains direct contacts with a wide range of secondary schools and organizes

regular Open Door Days. At the turn of October and November 2005, the University also participated in the European Fair of Higher and Lifelong Learning Gaudeamus 2005, for the fifth time as an independent university. The participation at this fair was evaluated as significantly beneficial for informing students and attracting applicants for study. The Faculty of Technology also participates in the higher education fair Akadémia in the Slovak Republic.

## 4.8 | Number of Students at TBU |

Altogether 8,544 students signed up in all full-time and combined study programmes at the three faculties and the University Institute in the academic year 2005/6. There were 2,588 students in technical programmes, 3,115 students in economics, 614 students in social sciences, 1,651 students in pedagogical sciences, 424 stu-

dents in arts, and 152 in health care programmes. The bachelor programmes had a total of 6,503 students, 1,793 students studied in master programmes, and 248 students in doctoral programmes. These numbers include 506 international students, including students from Slovakia.

## Number of Students at TBU

Table No. 5

Course Group	Course Group Code	Students in Study Programme				Total
		Bachelor	Master	Master Follow-up	Doctoral	
Natural Sciences	11-18	483		155		638
Technical Sciences	21-39	1,453	11	335	151	1,950
Agricult., Forestry, and Veter. Studies	41-43					
Health Care, Medical, and Pharmaceutical Studies	51-53	152				152
Social Sciences and Services	61, 65, 67, 71-74	380		234		614
Economics	62	2,056	9	953	97	3,115
Law and Public Administration	68					
Pedagogy and Social Care	75	1,638		13		1,651
Psychological Sciences	77					
Culture and Arts Studies	81, 82	341		83		424
<b>Total</b>	<b>11-82</b>	<b>6,503</b>	<b>20</b>	<b>1,773</b>	<b>248</b>	<b>8,544</b>

## Number of International Students at TBU, Including Students from Slovakia

Table No. 6

Course Group	Course Group Code	Students in Study Programme				Total
		Bachelor	Master	Master Follow-up	Doctoral	
Natural Sciences	11-18	23		6		29
Technical Sciences	21-39	100	2	15	13	130
Agricult., Forestry, and Veter. Studies	41-43					
Health Care, Medical, and Pharmaceutical Studies	51-53					
Social Sciences and Services	61, 65, 67, 71-74	24		13		37
Economics	62	160		99	4	263
Law and Public Administration	68					
Pedagogy and Social Care	75	5				5
Psychological Sciences	77					
Culture and Arts Studies	81, 82	41		1		42
<b>Total</b>	<b>11-82</b>	<b>353</b>	<b>2</b>	<b>134</b>	<b>17</b>	<b>506</b>

## 4.9 | Number of TBU Graduates |

Table No. 7

Course Group	Course Group Code	Students in Study Programme				Total
		Bachelor	Master	Master Follow-up	Doctoral	
Natural Sciences	11-18	70				70
Technical Sciences	21-39	170	66	23	17	276
Agricult., Forestry, and Veter. Studies	41-43					
Health Care, Medical, and Pharmaceutical Studies	51-53					
Social Sciences and Services	61, 65, 67, 71-74	88		88		176
Economics	62	451	11	276	10	748
Law and Public Administration	68					
Pedagogy and Social Care	75	100		4		104
Psychological Sciences	77					
Culture and Arts Studies	81, 82	43		19		62
<b>Total</b>	<b>11-82</b>	<b>922</b>	<b>77</b>	<b>410</b>	<b>27</b>	<b>1,436</b>

## 4.10 | Innovation of Current Study Programmes |

In the year 2005, all current study programmes were innovated and some study programmes were updated accord-

ing to the labour market needs by introducing new study possibilities in both full-time and combined forms.

## 4.11 | New Bachelor, Master, and Doctoral Programmes |

The newly accredited programmes and courses at the Faculty of Technology were: a course in Chemical and Process Engineering and Management in the bachelor programme in Chemical and Process Engineering, a doctoral programme Chemistry and Food Technology, with a course in Food Technology, and a course in Materials Chemistry in the doctoral programme Chemistry and Materials Technology.

At the Faculty of Management and Economics, a new follow-up master course Public Sector Administration and Regional Development was accredited within the study programme Economic Policy and Administration.

A new follow-up master programme in Specialized Pedagogy with a course in Social Pedagogy was accredited in cooperation with the Institute for Intercultural Studies in Brno.

## 4.12 | New Trends in Preparation of Teachers for All School Levels |

New trends in preparation of elementary and especially secondary school teachers belong to the priorities set out in the TBU Long-Term Aims and Objectives, which is guaranteed by the Department of Pedagogical Sciences of the University Institute in cooperation with the Institute of Process Control and Applied Informatics of the Faculty of Technology. Since 2001, this priority has been realized in the sphere of pedagogy, and since 2003 also in the

sphere of science and development.

The University gained an accreditation for a full-time follow-up master programme Teaching IT at Elementary and Secondary Schools. This course focuses on interdisciplinary approach to study subjects and close connection between the theory and practical use, and emphasizes the formation of future teachers' personalities, based on their self-knowledge and self-reflection.

## 4.13 | Evaluation of Study Courses with Regard to the Graduates' Success in the Labour Market |

The structure of courses offered at TBU in full-time and combined forms of study as well as in lifelong learning programmes responds to the needs of the labour market.

The information on graduates' success confirms that they find appropriate jobs in companies and institutions in the region as well as in the whole Czech Republic.

## 4.14 | New Forms of Study |

See Chapter 5.3. E-learning, current situation and plan for development at TBU.

## 4.15 | Number of Unsuccessful Students at TBU |

| Table No. 8

Course Group	Course Group Code	Unsuccessful Students in Study Programmes				Total
		Bachelor	Master	Master Follow-up	Doctoral	
Natural Sciences	11-18					
Technical Sciences	21-39	603	3	23	17	646
Agricult., Forestry, and Veter. Studies	41-43					
Health Care, Medical, and Pharmaceutical Studies	51-53	6				6
Social Sciences and Services	61, 65, 67, 71-74	21		6		27
Economics	62	212	1	59	6	278
Law and Public Administration	68					
Pedagogy and Social Care	75	47				47
Psychological Sciences	77					
Culture and Arts Studies	81, 82	23		5		28
<b>Total</b>	<b>11-82</b>	<b>912</b>	<b>4</b>	<b>93</b>	<b>23</b>	<b>1,032</b>

Note: Figures as on 31. 10. include all forms of study and all students, including foreign students.

## 4.16 | Study Opportunities for Students with Disabilities |

In buildings U2, U4 and U5, all necessary technical conditions are created so that applicants with disabilities can study there. The Faculty of Technology enables integration of students with physical disabilities into the study programme in Engineering Informatics.

## 4.17 | „Joint degrees“- Study Programmes Taught within the International University Consortium |

In 2005, TBU continued to create a European network for a joint doctoral programme oriented towards processing of polymer materials. In near future, an international educational system will be formed, which will prepare specialists in macromolecular substances processing on approxi-

mately the same European quality level. The TBU Faculty of Technology was delegated to prepare all details, as it has an accredited doctoral programme in Technology of Macromolecular Substances.



**05**

**Information and Communication  
Technologies**



## 5.1 | New Elements in the Information Infrastructure |

TBU continuously emphasizes the development of information and communication technologies. The Information Technologies Centre has the overall responsibility for this task.

All University complexes and buildings U1–U5, U10 and U11, the University Halls of Residence U6, U7 and now also U12 have structured cabling installed. All these facilities are interconnected with fibre-optic backbone network with the connection speed 1 Gbit/s.

At the end of the year 2005, new structured cabling of

category 6 were installed in the reconstructed University Halls of Residence building U12. There are now 402 new connection ports.

In 2005, 1,717 computers were connected to the University computer network in the teaching facilities, out of which over 600 were in computer laboratories and internet study rooms.

The University Halls of Residence have the capacity of 758 connection ports; 258 students connected their personal computers and laptops to the network and 18 more computers were available in the study rooms.

### Number of Computers Connected in Individual TBU Buildings

| Table No. 9

Building	Study Rooms, Classrooms, Laboratories	Employees
U1 (FT)	37	288
U2 (Rectorate, FT, FaME, UNI)	143	305
U3 (UNI)	0	8
U4 (FMC, Central Library, Refectory)	158	105
U5 (FT, UNI)	235	265
U10 (FaME, FMC, UNI)	38	135

### Number of Computers Connected at the Halls of Residence

| Table No. 10

Building	Capacity	Connected PCs	Study Rooms	Employees
U6 (Halls of Residence Antonínova)	235	167	5	3
U7 (Halls of Residence Štefánikova)	115	91	5	7
U3 (Halls of Residence TGM)	408*	0	8	2

\* including the rooms for employees

The project “TBU Infrastructure Development Support” (26,215,000 CZK), which is the part of development programmes, enabled a purchase of a server and licences for librarian information system ALEPH, purchase of a server and licences for application software for teaching mathematics, setting up and equipping teaching laboratories and classrooms (a multimedia language laboratory with the teaching system SANAKO Lab 300, a laboratory of mobile information technologies, a physics laboratory, a computer laboratory for simulation of production systems, a biomechanics laboratory and a laboratory for technical support of teaching in the study programme Health Care. Within the development project, four lecture halls and the assembly hall were modernized, more technical equipment for the studio of digital photography was purchased as well as a disc back-up field for the economic system SAP.

Another development project, “Increasing the security of the TBU computer network perimeter and establishing the wireless WiFi network at TBU” (6,311,000 CZK) provided financial support for activities in the sphere of security and enabled TBU to set up a WiFi network in selected areas.

A new service firewall module was bought and installed into the central switchboard of TBU. To provide users

with secure access into the network, to information systems and outside applications (from the Internet), a VPN concentrator was bought and installed. For authorisation and authentication of remote access of users through VPN, a so called AAA server Radius was purchased and installed. To increase the data security on TBU servers, a new server was bought for central data back-up with the disc field of 3TB, automatic tape exchange and back-up software ARCserve.

Installing the WiFi network included the purchasing and installation of 35 access points, including management. WiFi network signal covers selected areas with high student concentration (atria, foyer, study rooms, selected lecture halls and studios) in five teaching facilities (buildings U1, U2, U4, U5 and U10).

As a part of a development project “Preparation of interdisciplinary bachelor study programme in English with the use of videoconferencing” a mobile videoconferencing device TANDBERG 6000 MXP Portable was purchased, which will enable online videoconferences with distant users equipped with any videoconferencing equipment supporting standard transfer protocols.

A Project “Integrated identification and access system at TBU in Zlín” enabled installation of modern access system that uses the LAN network with a central database

and a contactless chip card, which is issued every student and University employee.

In the sphere of information systems, TBU continued to support the following systems:

- information system for economics management (SAP),
- information system for studies administration (IS/STAG),
- university website,
- library information system (T Series),
- system for recording publication activities (OBD<sup>PRO</sup>),
- chip cards system (student and employee ID cards),
- access system (entry into buildings, offices and classrooms),
- catering and credit system (Kredit 7),
- accommodation management system (AT - Koleje),
- legal database and information system (LexDATA),
- reprographic services (printing, copying, scanning).

The economic system SAP was enlarged by a newly implemented application for registry and stock-keeping with the use of bar-codes (FAIN). An important step was interconnection of the SAP system and Kredit 7 system realized in two stages - on the level of stocks and sales. This resulted in a clear and automatic process, reduction of error risk, and faster processing.

Joint activities of several public universities continued within the framework of development programmes "Support of coordinated progress of universities - ensuring the operation of the Coordination Centre and of the project Innovation of solutions SAP VARIAS Education" (5,114,000 CZK) and "Follow-up project of public universities, Intelligent Enterprise Content Management" (4,170,000 CZK). Apart from common support of

the operations of the Coordination Centre for Public Universities, which received the official certification as a Customer Competence Center, the projects concentrated on convergence, integration, selection of a new provider of system support, purchase of development and application server, purchase of licences, analysis and selection of technology for storing, maintenance and management of documents in electronic form.

An electronic application form was implemented into the information system IS/STAG, as well as registry and archive of degree works and interconnection with the economic system SAP in the sphere of admission procedure fees and scholarships payment.

In the middle of the year 2005, central accounting system was implemented. Thanks to expanding the Kredit 7 system to the snack-bar and book shop, it enabled students to make cash-free payments with their cards (contactless chip card) for meals in refectories, shopping in the snack-bar and book shop, payment for printing, copying and scanning documents. Two coin charging machines were connected to the system. Employees have the payments registered and deducted monthly from their salaries.

A fast needle printer was bought for large volumes of print-outs from the University information systems and a fast digital printer was bought for printing all documents related to studies (diplomas, reports, appendices and certificates).

The IS/STAG server was provided with additional data discs for storing university degree works, and in connection with expanding the Kredit 7 system, another software system licence was purchased, and the snack-bar and the book shop were equipped with hardware.

## 5.2 | End Connection Speed at Connected Workplaces |

Date networks in all University facilities are interconnected with the connection speed 1 Gbit/s. The University computer network is connected to the national

research and education network CESNET2 by two optic-fibre lines with the speed 1 Gbit/s (through Palacký University in Olomouc and Masaryk University in Brno).

## 5.3 | E-learning at TBU, Current Situation and Plan for Development |

In the course of the year 2005, the University paid special attention to continuing development of e-learning as a support of all forms of study, especially distance studies and lifelong learning. The main activities concentrated on the following areas:

- at FaME, software was updated for work in the virtual learning environment EDEN in both Czech and English version, including the author system Pro-Author for development of e-learning courses;
- preparation of a selected group of academic employees in managing distance/combined studies in the virtual learning environment EDEN continued with their participation in courses in this environment led by teachers from the University of West Bohemia in Plzeň;
- within the framework of development and transformation programmes continued preparation of tea-

ching and study materials for distance studies in master programme in Finance in the virtual learning environment EDEN;

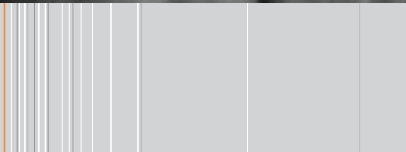
- the virtual learning environment EDEN will be further used at TBU faculties for implementation of accredited programmes in combined form and in lifelong learning programmes.

At the end of the year 2005, TBU became a participant in a project "RIUS - Initiating Interuniversity Studies in Selected Czech Universities", together with the Faculty of Informatics and Management of the University of Hradec Králové and the University of West Bohemia. This programme is supported by the European Social Fund in CZ and embodies systematic and long-term cooperation of university workplaces in the sphere of e-learning.



Furthermore, the University's project "EVENE - Erasmus Virtual Economics & Management Studies Exchange" was approved at the end of 2005 as a part of a European e-learning programme. It aims at creating the basis of a network of European universities oriented

towards management and economics studies, which will implement virtual student mobility, i.e. mutual exchanges of students and distance courses supported by e-learning.



**Address:**

Tomas Bata University in Zlín  
 Central Library  
 Štefánikova 2431, 760 01 Zlín  
 tel.: 576 034 818  
[www.knihovna.utb.cz](http://www.knihovna.utb.cz)

**Library Location Symbol:** ZLD002

The Central Library of Tomas Bata University in Zlín (hereafter “Central Library”) is listed in the register of libraries with the Ministry of Culture of the Czech Republic under the registration number 4739/2003, as a specialized library. It meets all the requirements for a public library as defined in the Act on Libraries and Conditions for the Provision of Public Libraries and Information Services, Law No. 257/2001.

## 6.1 | Extending the Library Stock |

The Central Library stock contains mostly books, journals, grey literature and other special kinds of documents. Books and subscribed periodicals are available in both printed and electronic form. The Central Library stock is the source of information for all accredited study programmes at TBU. In 2005, the TBU management decided to reserve extra financial resources for so called specialized stock. The library employees analyzed the current library stock with regard to the needs of all study programmes and courses. The starting point for the analysis was the information system for study administration STAG, where teachers enter all required and recommended literature. Thanks to the multiple increases of the financial resources for the library, it was possible to purchase resources, mainly books, that had been missing in the stock and were available from the book market, as well as to purchase more copies of books which were available only in limited quantities.

In this year, the library continued to concentrate on supplying information resources for fields of study newly opened at the University. The fields that received the most information resources were: study programmes in English (linguistics), pedagogy (social pedagogy), medi-

cine (health care), and informatics (IT literature). The library also purchased a huge amount of literature from abroad, and – for the first time – offered its users electronic books. Electronic books are a new form of books – digital books on the Internet. The purchased titles are listed in the electronic library catalogue and are accessible also through the library’s website (information resources, electronic books) in the TBU computer network; the access is not limited in time. So far, 63 e-books were purchased in this way from foreign publishers John Wiley & Sons, and Springer (Kluwer).

The expenses on the purchase of information resources in 2005 were 5,887,317 CZK, excluding the electronic resources.

The financial resources for purchasing books were for the first time from the University’s establishment used in such a way that most purchased books remained available for students and teachers in the Central Library, and not forwarded to the detached libraries.

In terms of money spent it means that out of c. 4,400,000 CZK invested in books, more than half, c. 2,400,000 CZK was spent on books bought for the Central Library.

### Overview of Financial Resources Spent on Books in 2001–2005

| Table No. 11

	Year 2001	Year 2002	Year 2003	Year 2004	Year 2005
<b>Total</b>	920,000 CZK	1,130,000 CZK	1,370,000 CZK	1,740,000 CZK	4,400,000 CZK

### Financial Resources Spent on Books in 2001–2005 (distribution)

| Table No. 12

	Year 2001	Year 2002	Year 2003	Year 2004	Year 2005
<b>Central Library</b>	135,000 CZK	380,000 CZK	650,000 CZK	740,000 CZK	2,400,000 CZK
<b>Other units</b>	785,000 CZK	750,000 CZK	720,000 CZK	1,000,000 CZK	2,000,000 CZK

Organizations that supported the Central Library in 2005:

Tomas Bata Foundation in Zlín  
 AION CS, s. r. o.

purchase of international journals  
 electronic portal Coto.Je

128,000 CZK  
 for 10 years

## 6.2 | Accessibility of Electronic Information Resources (Internet - Intranet) |

In 2005, the Central Library enabled its users access to 40 databases, out of which 39 were accessible through the computer network. The information on the accessibility of the electronic information resources is available from the library web site. The library has its catalogue in an electronic form, which also serves as a union catalogue of the TBU library stocks. The catalogue is a part of T-Series union catalogue, which connects many other libraries that process their stock in the same electronic system. The library website provides access to the information resources for subjects studied at TBU – some of them require compliance with licence conditions (those are mostly gained thanks to the cooperation in consortia with

other libraries), others were purchased by TBU, some are freely accessible. The volume of money invested by TBU into these electronic resources is continuously growing. Electronic resources move the Central Library (as well as the whole TBU) forwards – to utilization and work with modern technologies and means of communication. In 2005, the resources made accessible through the library web site were: electronic biographical databases, factual databases, full-text electronic databases (books of reference, proceedings, monographs, and periodicals), freely accessible databases (patents, norms, grey literature, dissertations, subject and language dictionaries, etc.), and databases created at TBU – dissertations and thesis.

### Access to Electronic Resources in 2005

The Central Library participates in many 1N projects. As a part of these projects, the library has a joint access

to many electronic resources together with others, mainly university libraries.

### Electronic resources accessible at the whole TBU within consortia, pre-paid by TBU or donated

#### Agricola PlusText

The largest bibliographic database specialized in agriculture and natural sciences; accessible through the ProQuest service.

#### Compendex

Bibliographic records and abstracts of articles from journals and conference proceedings, research reports, dissertations; connected to full-text versions of journals pre-paid with the publishers Academic Press, Elsevier, John Wiley & Sons, and Springer.

#### Coto.Je

An electronic form of the three largest Czech encyclopaedias (Otto's Encyclopaedia, Small Czechoslovak Encyclopaedia, Universum Encyclopaedia).

#### CrossFire (Beilstein) and SciFinder Scholar

A system of basic scientific resources for chemistry and related disciplines.

#### CSA Materials Science

##### Collection with Metadex

A collection of the key scientific databases oriented towards studies in materials, metallurgy, ceramics, polymers, composites, and material applications in engineering.

#### DSI Full Campus Solutions

A collection of economic statistics databases; contains the databases World OECD, Eurostat and German statistics, and Intra-Extra-EU Trade.

#### eIFL Direct (EBSCO)

Academic Search Premier

#### Business Search Premier

#### Newspaper Source

#### MasterFILE Premier

#### Regional Business News

Full-text journals, abstracts from periodicals, newspapers, reports from information agencies, over 1,300 brochures, full-text books of reference; information from social sciences and humanities; includes the access to the MEDLINE database.

#### EIU Viewswire

A database covering "Business Intelligence" issues in 200 countries; contains commentaries, studies and analyses of politics, economics, trade, finance, regulations, etc.

#### EnvironetBase

A database focused on issues of ecology, health protection, and related disciplines. It includes a large amount of factual materials, full-text monographs and books of reference.

#### Environmental Science & Pollution Management Database

A collection of 13 databases on environment; bibliographic records of articles, conference proceedings, reports.

#### Express Exec

A database on economics, management and in-house management.

#### Food Science & Technology Abstracts

FSTA covers food science and technology, includes magazines, bulletins and abstracts.

### **Iconda**

Bibliographical records with abstracts of articles from journals and conference proceedings, research reports, dissertations, monographs, etc. on civil engineering, architecture, urban planning.

### **IEEE Computer Society Digital Library**

A database on information sciences and technologies; a part of the Dialog database centre.

### **Inspec**

Bibliographical records and abstracts of articles from journals and conference proceedings, research reports, dissertations, monographs; connected to full-text versions of journals pre-paid from publishers Academic Press, Elsevier, John Wiley & Sons, and Springer; covers computer and information technologies, physics, electronics, and electrical engineering.

### **International Science Database**

A multidisciplinary source for a wide range of sciences; great emphasis is given to the European region; articles from over 8,000 periodicals.

### **Journal Citation Reports (JCR Web)**

A supplement to the Web of Knowledge (Web of Science); watches the impact factors of journals.

### **Knovel**

Factual, referential, and full-text works on technical and natural sciences, pharmacy, food industry, health and hygiene.

### **Lexdata**

A legal database, legislation; Czech legislation; international contracts, law regulations in the European Union.

## **Electronic resources available only in the library**

### **Anopress (TAM - TAM)**

Full texts of newspaper and journal articles, verbatim transcription of television and radio programmes, selected book collections and other.

Company monitor (accessible only from FaME)

Company monitor SK

### **ČTK**

Czech Republic

Biography

The countries of the world

ČTK is a factual database.

## **Full-text electronic journals**

### **ACS (American Chemical Society)**

### **Blackwell**

A collection on Humanities and Social Sciences

### **InterScience (John Wiley & Sons)**

### **Literature online**

Contains works of English and American poetry, drama, and prose; supplemented with bibliographic, biographic and other secondary resources.

### **Manuskriptorium**

A database of descriptions of rare manuscripts, old prints and maps.

### **ProQuest 5000**

A multidisciplinary database focused mainly on humanities, the most complete world database of articles from journals, access to full texts.

### **Scopus**

A polythematic citation database drawing from both printed and electronic periodicals; one of the largest citation databases in the world.

### **Ulrichsweb.com**

Detailed information on all periodicals, annual publications and irregular publications from all over the world.

### **ViewsWire**

Issues of "Business Intelligence"; commentaries, studies, analyses of politics, economics, trade, finances; includes five-year prognosis, financial information, market information.

### **Web of Knowledge (Web of Science)**

Science Citation Index Expanded

Science Citation Index

Arts & Humanities Citation Index

A multidisciplinary bibliographic database, searching data for bibliometry; connection to full texts.

### **ČNB (Czech National Bibliography)**

Covers Czech production.

### **GAPIS**

Access to a rubber and plastics related information server.

### **iHned**

An economic news server of Hospodářské noviny; archives of Hospodářské noviny; journals Ekonom, Moderní řízení, Moderní obec, Logistika.

### **iStrategie**

A news server; access to the journal Strategie.

### **KluwerOnline (Kluwer), including SpringerLink (Springer Verlag)**

### **ScienceDirect (Elsevier)**

## 6.3 | Library and Information Services |

| Table No. 13

	Number
Acquisitions in 2005	8,731
Library stock total	52,992
Number of pre-paid subscribed electronic periodicals (estimation)	2,474
Number of copies of subscribed periodical	327
Opening hours per week <sup>1)</sup> (physical)	library – 55 hours/week study rooms – 64 hours/week
Number of loans <sup>2)</sup>	40,438 + renewals: 8,354
Number of users <sup>3)</sup>	11,724
Number of study places	182
Number of volumes in open-shelf stock	31,913

### Notes:

<sup>1)</sup> i.e. the opening hours of the library unit that is open the longest. The opening hours of the individual units are not added up. It is the number of hours for physical visit to the library, not for electronic communication.

<sup>2)</sup> Including renewals.

<sup>3)</sup> A „user“ is a person who used the loan services of the library at least once in the given calendar year.

The library provides public library and information services as defined in § 4, article 2 of the Act on Libraries. The basic services are free of charge. The services are available to properly registered users, libraries and institutions. The Central Library is open for the public in set opening hours.

**The library provides the users with the following services:** **loans** (off-site loans from the open-shelf stock or archive), **reservation of documents** (for off-site loans), **reference loans** (on-site, self-service loans in study rooms), **circulation services**, **inter-library services** (**active** – in-country, international, reprographic, electronic – services of the library to other libraries and institutions; **passive** – in-country, international, reprographic, electronic – mediating **documents** that are not available from the library's own stock), **active supply of copies of documents** (to other libraries), **passive supply of copies of documents** (to our users according to their categorisations), supply of journal contents (**current services**), **mediating searches** from other libraries (from databases that our library does

not own), **informational, bibliographical, advisory, consultation and reference services** (e.g. information on library stocks, library databases, library services, conditions for using the services, ways of obtaining information, bibliographic and factual information, consultations on diploma dissertations and for doctoral students, information on resources location and availability, verification, and precising quotations), **selective information, information in written or spoken form, other services** – reprographic – **photocopying, networked printing, scanning** – self-service, **electronic** – electronic communication with users, **electronic delivery of documents** – through the Virtual Polytechnic Library (STK), National Library of the Czech Republic, **access to the Internet and electronic information resources, on-line services** – tracking loans, loans renewal, book reservation – without the need for the user's personal visit to the library.

The library is the Recorate information workplace, ensures the access to the union catalogue, and to selected electronic information resources in the study rooms.

### Equipment of the Library and Study Rooms – Number of Study Places

| Table No. 14

	Number of Study Places
Library study room U 4	60
Small study room U 4	24
Periodicals reading room	5
Searches in the OPAC catalogue	4
Open-shelf stock catalogue	14
Remote study room U 3 V	20
Remote study room U 2	24
Remote study room U 5	48

## 6.4 | Electronic Services for the University |

The most modern information technologies and standard are used for work in the library. The library users and employees can work on PCs, with traditional documents, multimedia (CDs and others), electronic recourses of bibliographical and factual information, and full-text electronic books (books of reference, dictionaries, etc.). They can access the on-line catalogue of library stock and use the on-line library services, as well as reprographic services and access to various databases through the internet or portal interface. The users and employees also have digital multifunction devices at their disposal – copy machines, net-

worked printers, and scanners. All devices work on the basis of chip cards.

### Use of Modern Technologies

In 2005, the operation of self-service digital devices in buildings U4, U2 and U5 was already well established. The library was also responsible for the operation of such devices in remote study rooms, in building U5, and in the study room for the University of the Third Age. In one of the study rooms (in building U4) and in the library office a black and white multifunction device was replaced with a coloured one, which enabled providing more services.

### Reprographic Services

| Table No. 15

Room	Black and White Copies	Black and White Prints	Coloured Copies	Coloured Prints
U4 library	21,218	10,602		
U4 study room	24,757	49,608	501	4,259
U2 A. study room	78,498	84,491		
U2 University of the Third Age		16,856		
U5 A. study room	32,697	59,468		
U5 corridor	35,312	2,375		

The number of users who use the offer of on-line services is continuously growing – they use their reader's account through the internet, check their loans from the library stock, reserve books, and renew loans.

### On-line Services - On-line Library Catalogue

| Table No. 16

	Number
Renewals	905
Reservation	5,653

Use of electronic services provided by the library is a routine part of library operations. That includes for example sending information via e-mail, selective information, electronic delivery of documents (the library cooperates in this sphere with the National Library of the Czech Republic and the State Technical Library) and on-line services for users. Electronic services of the

library also include orders for purchases of books and periodicals and requests for interlibrary services.

The orders for books and periodical for university teachers are processed through the SAP economic system.

Work in the electronic environment is also manifested in the creation of a virtual library office, which enables communication between the workers in the library and study rooms.

### Interlibrary Loan Services

| Table No. 17

	Number
<b>Interlibrary loan services</b>	379
Active (including EDD)	97
Passive (including EDD)	282
International (passive)	48
International (active)	2
Searches	15



With the growing number of available electronic information resources and with the improving awareness of library and study rooms users (library lessons) regarding information resources and searches, the number of requests for interlibrary loans and reprographic services formerly required from other libraries fell. By contrast, with the growing volume of information resources available at TBU and processing of all these resources (especially periodicals) there is already showing a growing tendency in provision of these services to other libraries, which is expected to further increase.

In 2005, university degree works were for the first time delivered to the library in electronic form. The library staff cooperated in this sphere with other TBU work-

places. They participated in creating the Rector's directive issued by TBU and in related processes; they helped students with delivery and in case of any technical difficulties. University degree works (at present bachelor works and diploma dissertations) are stored in the electronic system STAG; in the future, once the new library information system ALEPH has been implemented, the records and full texts of the works that will be publicly accessible, should also appear in the new system. Thus both systems will be interconnected and the library will save a lot of space formerly needed for storing documents. It will also become one of the libraries with a digital library of university degree works.

## 6.5 | User Training |

In 2005, the library offered its users information education in several categories:

- familiarization with the library and its services – for new users, 1<sup>st</sup> year students,
- workshops on information searches for the final year students,
- workshops on library services, searches for information resources and searches in full-text resources.

Newly, the library offered teachers a possibility to be informed about novelties and new electronic resources

at faculty or department meetings. The library staff also introduced students to the new system of delivering the university degree works.

The Central Library prepared a total of 48 educational events and consultations for its users and also provided individual consultations. 6 consultations and meeting with the information staff of other libraries took place. The TBU Central Library organized a two-day event entitled “Meeting of T-Series Users”, where library workers discussed their common problems.

## 6.6 | Library Staff - Qualifications and Lifelong Learning |

### Structure of the Central Library Staff

| Table No. 18 |

Library Staff	Number
Total	12
University education	7
out of which librarian university education	4
Secondary education	4
out of which librarian secondary education	2

Staff - Age Structure	Number
Under 29	4
30-39	1
40-49	3
50-59	3
Over 60	1



### Lifelong Learning

Every year, library staff attends trainings, workshops, conferences and meetings of librarians. In 2005, these events included:

### Trainings

- Training for users of the SAP economic system
- Training for users of MARC 21
- Work with the individual databases
- Language studies (English)

### Librarian Events

- Annual Conference of the University Library Association
- University Libraries Club SKIP
- Committees Meetings – Committee for Electronic Information Resources, Committee for IT Education and Computer Literacy at Universities, Committee for University Libraries, Committee for University Degree Works
- Infórum 2005
- Libraries of Today 2005
- Working Meeting of University Libraries 2005
- Meeting of T-Series Users

## 6.7 | Other Activities |

### The TBU Central Library

- is a member of the University Libraries Association and the Association of Library and Information Workers (SKIP),
- works in the University Libraries Club SKIP and in the Committee for Electronic Information Resources in University Libraries,
- has its own representative on the Universities Board in the Committee for University Libraries, in the Specialized Committee for IT Education and Computer Literacy at Universities (University Libraries Association) and in the new Committee for University Degree Works (University Libraries Association).

### Cooperation with Other Libraries

The Central Library shares electronic resources and services with other universities and uses modern technologies and standards for processing documents. For cataloguing and re-cataloguing, the library uses the opportunity to share on-line cataloguing records from other libraries, especially from the National Library of the Czech Republic.

The library cooperates with other libraries in the following fields:

### 1N Projects

- VISK** (public information services of libraries)
- VISK 8** (sharing electronic resources – databases of ČTK and Anopress – TAM-TAM)
- VPK** (Virtual Polytechnic Library – union catalogue, electronic delivery of documents)
- DODO** (electronic delivery of documents from the National Library of the Czech Republic)
- Union Catalogue of the National Library of the Czech Republic** – acquisitions of foreign documents and journals
- Union Catalogue of the National Medical Library** – acquisitions in the journal stock
- Union Catalogue of the Moravian Library** – acquisitions in the journal stock

### Cooperation on Creating and Using the National Authorities Collection

The Central Library cooperates with the National Library on the project of National Authorities Collection.

### Records Delivered to and Downloaded from the National Authorities Collection

| Table No. 19

	Number
Downloaded	1,344
Delivered	67

### Novelties in Information Technologies

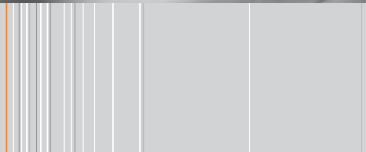
A new library information system, ALEPH, was purchased for the Central Library towards the end of the year 2005. The system was installed and a project that should ensure smooth transfer to the new system started. A team of library employees and the university IT

workers looks into the possibilities for interconnecting individual information systems – SAP, STAG, and ALEPH. They consider the possibilities to implement the latest technologies in the library (RFID technologies, access system, Wifi etc.).



**07**

**Research and Development**



## 7.1 | Areas of Research and Development |

The research activities at TBU are oriented towards basic and applied research. Research, development, and creative activities are carried out within faculties and other University components.

The basic areas of research at the Faculty of Technology are presented in chapter 11.1.5, at the Faculty of Management and Economics in chapter 11.2.5, at the Faculty of Multimedia Communications in chapter 11.3.5, and at the University Institute in chapter 11.4.5.

At present, the University has one unique research facility at the Faculty of Technology, the Polymer Centre, which focuses on research into polymer materials and processes.

In order to increase the effectiveness of R&D activities, TBU has set the following priorities:

- to achieve higher productivity of R&D activities,
- to support R&D activities within doctoral programmes,
- to support international cooperation in science,
- to increase the volume of R&D activities and number of R&D workers,
- to support the development of applied and industrial research in research centres,
- to support the development of interdisciplinary research,
- to strengthen the cooperation with other universities and the institutes of the Academy of Sciences of the Czech Republic,
- to support the cooperation with enterprises and institutions,
- to improve the working and social conditions for doctoral students and R&D workers,
- to increase the volume of investment resources and to improve the equipment,
- to enlist scientific workers from abroad and enrol international students into doctoral programmes.

## 7.2 | Focus of Research Plans |

The following research plans of the Ministry of Education, Youth and Sports were dealt with at TBU:

### At the Faculty of Technology:

#### 1. Multifunctional composite systems based on natural and synthetic polymers, MSM 7088352101

The research plan aims to achieve new knowledge in the sphere of natural and synthetic macromolecular composites while emphasising the transfer of this knowledge into applied research. Selected multifunctional polymer composites with inbuilt bio-element, optical, magnetic or electrical functions, containing nanostructures, gel systems or additives will be studied in terms of preparation, properties and processing. The outcome of the research will be new basic knowledge in the target areas, and especially proposals for products and production processes innovation, including complex designs of management systems. It is assumed that the achieved results will be used in plastics industry, food industry and car manufacturing. Significant contributions to the sphere of health care materials and packaging is also expected.

In the year 2005, 8 research teams launched work on specific research topics. In the same year, 1 patent was submitted, 2 books published, 19 articles published in international journals and 87 presentations delivered at conferences. The presentations dealt mainly with these partial research topics:

1. Rheology of molecular dispersions
2. Anisotropic composite structures
3. Microbiological decomposition of natural polymers in filled systems
4. Evaluation of biopolymers for food processing
5. Preparation of modifiers for polymer systems
6. Control of continuous polymer processes
7. Molecular and plastic electronics

#### 8. Applied rheology, electrorheology, rheology of polymer blends and filled systems.

#### 2. Modelling and control in processing procedures of natural and synthetic polymers, MSM 7088352102

The research plan is mainly oriented towards processing technologies for natural and synthetic polymers, including their automatic control. The research is based on the creation of mathematical and physical models, their solution, verification and definition of requirements for process control.

The research plan focuses on processes and achieving the desired properties of the final product. The plan allows for the use of modelling, construction and production of parts made of polymeric materials, as well as equipment design, and production of tools requiring high preciseness and low production costs. Projects dealing with closed recycling technologies claim great demands on the development of specific intelligent indicators, which are able to communicate directly with the control system. Control systems based on modern methods of automation control theory and on modern automation means will be designed for the proposed technologies. A significant means for their implementation are embedded control systems, which require creation of software environment that would speed up application development.

Dealing with the issue is divided into four basic areas, as was defined in the project proposal

In the sphere of *process engineering*, work started to create mathematical and physical models of raw hide soaking and pelt delimiting. Parameters of mathematical models were measured and the operational verification of the models is carried out in the tanneries TAREX Otrokovice and ECCO Dongen Netherlands. An algorithm was prepared to control raw hide soaking and pelt delimiting while minimizing the main operating costs.

Transportation, kinetic and sorption data in the operation conditions were measured.

In the module of *Automated control, algorithms and their implementation* the work concentrated mainly on proposal of simple robust feedback controllers for continuous systems with parameter uncertainties, design of robust controllers for systems with dynamic and mixed uncertainties with the use of structured singular number (so called  $\mu$ -function). In the Matlab environment several programmes were created for simulation.

Within *Instrumentation and sensors in technological processes* the research plan led to the purchase of several specialized devices, which were afterwards operationalized. A measurement chain for automated data collection and experiment control in the sphere of impedant spectroscopy was installed. The work concentrated on detecting kinetics of the crosslinking reaction of hydrolyzed collagen using impedance spectroscopy with numeric synchronic detection, and on the study of capacitance, or impedance scanning microscopy. In the sphere of sensor

design, laboratory prototypes of a microprocessor control system were realized as well as processing of data from a sensor with thermal marking of flow, and basic nodes of sixfold reader of small shifts. Methods of thermal comfort assessment were developed.

Work in the sphere of *Production Engineering* concentrated on the issues related to flow properties of polymers, measurements with six different types of polymers, and development of complete documentation for an extrusion mould for rubber. Mechanical behaviour of short-fibre composites was studied, as well as the influence of anisotropy and heterogeneity of the extruded wall superstructure on the character and level of tension in curved places. Experiments were carried out to find out physical properties and dielectric constants in rubber; energy savings were proved in the preparation of rubber compounds. A patent application was prepared and registered for the use of dielectric heating-up in the course of preparation and processing of rubber compounds.

### TBU Participation in Research Plans

Table No. 20

Title of the Research Plan	Allocated Resources for 2005 (in thousands CZK)
Multifunctional composite systems based on natural and synthetic polymers	29,179
Modelling and control in processing procedures of natural and synthetic polymers	15,649
<b>Total subsidy from public resources</b>	<b>44,828</b>

## 7.3 | Unique R&D Facility in the Czech Republic - Polymer Centre

The Polymer Centre is a research unit of the Faculty of Technology. Its main area of research is basic, applied and industrial research into the engineering aspects of technologies and materials based on polymer composites. The areas concerned are mainly rheology of polymer melts and suspensions, electrorheology, unstable polymer flows, thermodynamics of polymer systems, physical ageing, highly filled polymers, percolation phenomena, molecular electronics, biodegradable polymers, interface phenomena and smart behaviour of polymeric materials. The outcomes of the research are used primarily in rubber and plastics industries, automobile and textile industries, as well as in medicine, agriculture, electrical and electronic industry and in nanotechnologies. In pedagogical activities, the Polymer Centre concentrates on master and doctoral programmes.

### Significant Success

The discovery of metastability and emergence of weak bonds in degradation processes of special polymers.

### Cooperation with International Institutions

Chalmers University of Technology, Göteborg, Sweden,

Linköping University, Linköping, Sweden,

University of Bradford, Bradford, Great Britain,

University of Ljubljana, Ljubljana, Slovenia,

University of Salerno, Salerno, Italy,

University of Linz, LIOS - Linz Institute of Organic Solar Cells, Linz, Austria,

Dublin Institute of Technology, Dublin, Ireland,

Friedrich-Alexander-University Erlangen-Nuremberg, Erlangen, Germany,

Indian Institute of Technology, New Delhi, India,

Indian Institute of Technology, Khagarpur, India,

Polytechnical National Institute, Mexico, Mexico,

National Institute of Advanced Industrial Science and Technology, Macromolecular Technology Research Center, Tsukuba, Japan,

Institute of Radioengineering and Electronics, Moscow, Russia,

Sichuan University, The State Key Laboratory of Polymer Materials Engineering, China,

Centre for Molecular Science, Institute of Chemistry, Beijing, China,

East China University of Science and Technology, Shanghai, China,

South China University of Technology, Guangzhou, China.

### Cooperation with Enterprises

Aliachem, a.s., Praha, CZ, division Fatra Napajedla, division Technoplast Chropyně, Czech Republic,

Compuplast Int., Zlín, Czech Republic,

Cutisin, a.s., Slavkov u Brna, Czech Republic,  
Hexagon Holding, Copenhagen, Denmark,  
Kastek UB, s. r. o., Uherský Brod, Czech Republic,  
Dyneon LLC, Oakdale, USA,

3M Belgie N. V., Zwijndrecht, Belgium,  
OPTAGLIO, Řež u Prahy, Czech Republic,  
MEDETRON s. r. o. , Zlín, Czech Republic,  
KOITO CZECH s. r. o. , Žatec, Czech Republic.

## 7.4 | Significant Cooperation in R&D with Czech Enterprises and Institutions |

In 2005, cooperation with important Czech enterprises and institutions in the sphere of research, joint projects, and doctoral programmes continued. TBU cooperated with selected institutes of the Academy of Sciences:

- Institute of Macromolecular Chemistry,
- Institute of Information Theory and Automation,
- Institute of Physics,
- Institute of Informatics,
- Institute of Hydrodynamics,
- Institute of Analytical Chemistry,
- Institute of Thermomechanics,

with universities, mainly with:

- Czech Technical University in Prague,

- Technical University in Brno,
  - Charles University in Prague,
  - Institute of Chemical Technology in Prague,
  - Masaryk University in Brno,
  - West Bohemia University in Plzeň,
  - Technical University in Liberec,
  - VŠB - Technical University of Ostrava,
  - Academy of Performing Arts in Prague,
  - University of Pardubice,
  - University of Hradec Králové,
- and with enterprises and public administration institutions.

The TBU departments and workplaces cooperated with over 120 domestic partners.

## 7.5 | Significant International Cooperation in Research & Development |

In 2005, the Faculty of Technology participated in the project of the 5<sup>th</sup> EU framework programme *Radically Environmentally Sustainable Tannery Operation by Resource Management RESTORM*.

The Department of Physics and Material Engineering participated in the project of the 6<sup>th</sup> EU framework programme “Support for SMEs Collaborative Aeronautical Technical Research” (SCRATCH PHASE IV). The Department of Polymer Engineering cooperated on a project within the 6<sup>th</sup> framework programme “Nanos-structured and Functional Polymer-based Materials and Nanocomposites” (NANOFUN).

The Institute of Process Control and Applied Informatics participated in the project of the 6<sup>th</sup> EU framework programme “Innovative, inclusive, interactive & intercultural learning campus” (iCamp).

Furthermore, 8 projects within the programme Kontakt were carried out at the Faculty of Technology.

In 2005, scientists and researchers from India, Russia, China, Japan and other countries worked at TBU. TBU departments and workplaces cooperate with over 80 international partners.

### TBU Participation in Projects Financed from Other Czech and International Resources

| Table No. 21

Programme	Title of the Programme for R&D Support	Number of Projects	Subsidy (in thousands CZK)
5 <sup>th</sup> Framework Programme	RESTORM	1	318
6 <sup>th</sup> Framework Programme	SCRATCH PHASE	1	157
6 <sup>th</sup> Framework Programme	NANOFUN	1	343
<b>Total</b>		<b>3</b>	<b>818</b>

## 7.6 | Significant R&D Projects Financed from Specific Government Budget Resources |

### TBU Participation in Projects Financed from Specific Resources

| Table No. 22 |

Programme Code	Title of the Programme for R&D Development	Number of Projects	Subsidy (in thousands CZK)
IA	Grants for distinctly scientific research of the Academy of Sciences of the Czech Republic	1	250
KJ	Junior research grant projects	1	316
GA	Standard grants from the Grant Agency of the Czech Republic	3	2,371
	Standard grants from the Grant Agency of the Czech Republic (fellow-researchers)	8	1,325
GP	Postdoctoral grants from the Grant Agency of the Czech Republic	4	707
GD	Doctoral grants from the Grant Agency of the Czech Republic (fellow-researchers)	1	430
IM	Research centres (Ministry of Education, Youth and Sport, fellow-researchers)	1	1,749
ME	KONTAKT MŠMT	8	942
	- through AIP	1	42
FI, FD, IH, FF	Projects of the Ministry of Trade and Industry (fellow-researchers)	9	2,262
OE	Eureka (fellow-researchers)	1	600
WB	Research and Development in Region (Ministry of Local Development)	1	700
<b>Total</b>		<b>39</b>	<b>11,694</b>

## 7.7 | Use of Institutional Support for Specific Research |

In 2005, the Ministry of Education, Youth and Sports allocated TBU 12,479,000 CZK in institutional financial resources for specific research. Out of this, 2,592,000 CZK was used within the R&D Development Fund, and 3,252,000 CZK was allocated to the Internal Fund for Support of Personnel Structure of Scientific and Research Workers. Other resources for specific research were distributed among faculties in the following way: the Faculty of Technology received 5,547,000 CZK, and the Faculty of Management and Economics received 1,088,000 CZK.

The resources were used to support: the cooperation between doctoral and master students on research plans and projects, joint research carried out by academic employees and students, research carried out by students in the course of elaborating their bachelor and master dissertations, and other research in which students participate.

Namely, the resources were used for scholarships, purchasing materials including specialist books and journals, small, long-lasting fittings and furnishings, reimbursement of travel expenses and so on.





## 8.1 | Qualification and Age Structure of Academic Employees |

Table No. 23

Age	Academic Employees										R&D Workers	
	Professors		Assoc. Professors		Senior Lecturers		Assist. Lecturers		Lecturers		Total	Women
	Total	Women	Total	Women	Total	Women	Total	Women	Total	Women		
Under 29					13	6	26	15	14	7	1	
30-39			2	1	39	13	14	6	12	9	9	3
40-49	1		11	4	34	17	3	2	2	1	1	1
50-59	10	3	21	3	37	6	1	1	2	2	2	1
60-69	21		19	2	14	3					6	
Over 70	8		7		2						3	
<b>Total</b>	<b>40</b>	<b>3</b>	<b>60</b>	<b>10</b>	<b>139</b>	<b>45</b>	<b>44</b>	<b>24</b>	<b>31</b>	<b>19</b>	<b>22</b>	<b>5</b>

## 8.2 | Number and Ratio of Academic and Non-Academic Employees |

Table No. 24

Employees	Academic Employees					R&D Workers	Other Employees
	Professors	Assoc. Profess.	Sen. Lecturers	Assist. Lect.	Lecturers		
<b>Internal</b>							
- Individuals	27	46	127	44	31	19	288
- Ratio	24.224	42.576	120.981	50.621	19.638	13.464	264.012
<b>External</b>							
- Individuals	77	137	118	240	300	19	1,379
- Ratio	0.34	0.76	1.00	2.77	3.56	0.40	14.30

## 8.3 | Development of the TBU Personnel Structure |

Table No. 25

Year	Academic Employees					R&D Workers	Other Employees
	Professors	Assoc. Profess.	Sen. Lecturers	Assist. Lect.	Lecturers		
2006	42	77	162	69	30	32	300
2007	44	81	165	90	40	42	320

The basic University strategy is to employ workers with appropriate qualifications for the given position. Knowledge of English and the ability to communicate in the international environment are essential prerequisites for employment.

## 8.4 | Further Education of Academic Employees |

The individual plans for the TBU academic employees' development pay particular attention to further education of academic employees. Apart from the specifically focused professional development of each employee, three common areas for professional improvement are emphasised:

- language skills with the aim to use English as the second communication language at TBU,
- IT skills with the emphasis on the utmost exploitation of the possibilities offered by PCs, internet, intranet, and information databases for both pedagogical and R&D activities,
- utilization of multimedia to support communication and to increase the efficiency of the education process in full-time, as well as combined study forms.



## 8.5 | Habilitation and Professorial Nomination Proceedings |

### Habilitation Proceedings at FT

| Table No. 26

Name	Home Institution	Specialist Subject	Habilitation Thesis Title	Nominated at
Doc. RNDr. Ivan Fortelný, CSc.	Academy of Science of the Czech Republic	Technology of Macromolecular Substances	Development of phase structure in immiscible polymer mixtures	TBU, Faculty of Technology
Doc. Ing. František Hruška, Ph.D.	TBU/FT	Machinery and Process Control	Measuring the medium radiation temperature for calculating thermal comfort indexes	TBU, Faculty of Technology
Doc. Ing. Mihnea Gheorghiu, CSc.	DGK Patent and Trademark Office in Brno	Technology of Macromolecular Substances	Polymerization and copolymerization of ethylene in gas-phase	TBU, Faculty of Technology
Doc. Ing. Anežka Lengálová, Ph.D.	TBU/UNI	Technology of Macromolecular Substances	Rheology: The effect of physical fields and material properties	TBU, Faculty of Technology
Doc. Ing. Martin Obadal, Ph.D.	TBU/FT	Technology of Macromolecular Substances	Assisted crystallization of polymers	TBU, Faculty of Technology

### Habilitation Proceedings at FaME

| Table No. 27

Name	Home Institution	Specialist Subject	Habilitation Thesis Title	Nominated at
Doc. Ing. Miloš Král, CSc.	TBU/FaME	Management and Enterprise Economics	Foreign exchange risks and their effective management in a company	TBU, Faculty of Management and Economics
Doc. PhDr. Milan Mikuláščík, Ph.D.	TBU/FaME	Management and Enterprise Economics	Development of creative and innovative skills in managers and their teams	TBU, Faculty of Management and Economics
Doc. Ing. Jaroslav Světlík, Ph.D.	TBU/FMC	Management and Enterprise Economics	Cultural aspects of European and Czech advertisement	TBU, Faculty of Management and Economics

### Professorial Nominations at TBU

In the course of the year 2005, two professorial nomination proceedings took place at TBU. The proposal for professorial nomination of Doc. RNDr. Ignác Capek, DrSc. was forwarded to the Czech Ministry of Education, Youth and Sports; Doc. Capek was appointed a Professor by the Czech President as of 1<sup>st</sup> November 2005.

The proposal for professorial nomination of Doc. Dr. Ing. Ludvík Hub was forwarded to the Ministry of Education, Youth and Sports for further proceedings.



**09**

**Evaluation of TBU Activities**

Since September 2003, the Department of Internal Audit has been working at TBU. Apart from the ten audits scheduled for the year 2005, two extra audits were carried out at the direct order by the Rector.

The audits dealt primarily with the following areas:

- Financing individual departments at FT in connection with the preparation of the new faculty of information technologies;

- Adherence to the timetable;
- Protection of personal data;
- External work contracts;
- Exploitation of accommodation capacities reserved for TBU employees and guests;
- Exploitation of spaces for scheduled classes;
- Teachers Time Sheets;
- Human resources.

## 9.1 | System of Education Quality Evaluation at the University |

As a relatively new university, TBU is still undergoing a period of growth in numbers of students, academic employees, and study programmes. In order to preserve

and maintain a constantly high level of education at the University, all internal and external units participate in the evaluation (see below).

## 9.2 | Results of the External and Internal Evaluation of the University Activities |

Study programmes at the Faculty of Technology, the Faculty of Management and Economics and the Faculty of Multimedia Communications, and study programmes taught directly by TBU all successfully passed the external education quality evaluation procedure run by the Accreditation Committee in connection with the evaluation of their application for accreditation and re-accreditation of study programmes.

The external evaluation of the faculties' activities is carried out in connection with the opponent proceedings for the evaluation of the results of research projects launched by the Ministry of Education, Youth and Sports, by the Grant Agency of the Czech Republic and other grant agencies, and by the Universities Development Fund. All of these evaluations took place in front of committees nominated by external institutions and in the presence of representatives of external institutions.

The outcomes of the evaluated projects were very good and the evaluation was discussed with the faculty Deans. A significant element of internal evaluation is the evaluation of academic employees, which was last year newly regulated by the Rector's directive SR/4/2005, and which focuses on evaluating the pedagogical performance and creative activities. The latter includes primarily the evaluation of publication activities, quotations, references to the work, and lectures at conferences. The University management pays very close attention to improving the quality of pedagogical processes; therefore, there is an effort to make teachers sufficiently motivated in terms of financial reward and involved in improving their qualification, as well as the quality of teaching, which, consequently, makes the teaching process more effective. That is why a change to the TBU Salary Regulations was implemented in course of the year 2005.

## 9.3 | Education Quality Evaluation by Students |

Evaluation of teaching quality is also based on cooperation with students. Students can express their opinions on the quality of the pedagogical performance of each academic employee in an anonymous poll. The findings from this evaluation are presented to the fac-

ulty Dean and are published through the TBU information system. The results serve as feedback for improvement of the quality of lectures, seminars and pedagogical performance of individual academic employees.

## 9.4 | Evaluation of Fulfilling the TBU Long-Term Aims and Objectives |

The year 2005 brought the end of the period of the TBU Long-Term Aims and Objectives for the years 2000-2005. The achievements and the set goals were SWOT-analyzed and the strengths, weaknesses, opportunities and threats in the main University activities were defined. The main strengths are especially the dynamic and progressive development, growth in numbers of students and study fields, active participation in research projects, grants and international projects, as well as acceptance of English as

a second language at the university, equal to Czech. Weak points and risks, on the other hand, are a low number of doctoral students, the age structure of habilitated employees and their numbers, high teaching load of pedagogical employees, insufficient offer of lifelong learning programmes, low cooperation with companies and institutions and with graduates. Furthermore, a benchmarking analysis studied the University's main activities in comparison with other five Czech universities.

## 9.5 | Conclusions from the Evaluation for the Next Period |

On the basis of the analyses, achievements and existing aims, the priorities were defined and the Long-Term Aims and Objectives for the years 2006-2010 were prepared. It is based on the current development in the Czech Republic and the European Union and takes into

account the aims set by the Ministry of Education, Youth and Sports for this period. Important issues are, among others, internationalization, student and academic employees' mobility, international cooperation, quality and excellence in academic activities.



## 10.1 | Direct International Cooperation |

In the year 2005, the University signed 9 new framework contracts on mutual cooperation.

### Overview of Framework Contracts with Foreign Partner Universities

| Table No. 28 |

Partner University	Country	Date of Signature	Validity
East China University of Science and Technology	China	1. 8. 2002	5 years
Pedagogical State University, Biysk	Russia	20. 11. 2002	unlimited
Alexander Dubcek University in Trencin	Slovakia	29. 1. 2003	unlimited
Institute of Northern Development	Russia	16. 3. 2003	5 years
Gorno-Altai State University	Russia	6. 10. 2003	unlimited
University of Palermo	Italy	10. 11. 2003	3 years
University of Zilina	Slovakia	5. 1. 2004	unlimited
Slovak University of Agriculture in Nitra	Slovakia	12. 1. 2004	unlimited
Technical University in Zvolen	Slovakia	30. 1. 2004	unlimited
Technical University in Eindhoven	Netherlands	1. 3. 2004	3 years
University of Salerno	Italy	28. 3. 2004	3 years
Hochiminh City University of Pedagogy	Vietnam	8. 4. 2004	unlimited
Huddersfield University Business School	Great Britain	19. 7. 2004	3 years
University of Genova	Italy	19. 10. 2004	3 years
Saint-Petersburg State University	Russia	16. 11. 2004	3 years
Sichuan University	China	11. 12. 2004	3 years
University of Rzeszów	Poland	31. 1. 2005	unlimited
University of Craiova	Romania	11. 3. 2005	3 years
University of Ljubljana	Slovenia	29. 6. 2005	3 years
Portobello College Dublin	Ireland	15. 8. 2005	3 years
Omskij Institute	Russia	29. 8. 2005	3 years
Russian State University of Commerce and Economics	Russia	29. 8. 2005	3 years
Groupe ESC Troyes	France	25. 10. 2005	3 years
South China University of Technology	China	15. 11. 2005	3 years
Horlivka State Pedagogical Institute of Foreign Languages	Ukraine	20. 12. 2005	3 years

## 10.2 | TBU Participation in International Programmes |

In the sphere of international cooperation in education, the University focuses on, among other things, increasing the numbers of foreign students at TBU. In 2005, 506 students from 10 countries studied at TBU (including students from Slovakia, Vietnam and students coming for short stays based on bilateral agreements). The most widespread programme within the European Union implemented at TBU is Socrates/Erasmus,

which is coordinated by the TBU International Affairs Department. In 2005, this programme enabled 71 students spend a total of 246 months abroad, and altogether 45 teachers spent 76 weeks abroad. The programme helps to develop international cooperation in the area of education, to support teaching by modern means, to transfer European standards to the University, and to prepare study programmes in English.



Country	Partner University	Cooperation TBU Faculty
Belgium	University of Gent	FT
Finland	Lappeenranta University of Technology	FT
France	Blaise Pascal University, Clermont	FT
	University of Rennes	FT
Italy	Technical University Milano	FT
	University of Salerno	FT
Germany	University of Applied Sciences Köln	FT
	University of Bayreuth	FT
	University of Münster	FT
	University of Applied Sciences Münster	FT
	University of Applied Sciences Kaiserslautern	FT
	Eberhard-Karls University, Tübingen	FT
Portugal	Polytechnic Institute of Beja	FT
	University of Aveiro	FT
	Technical University of Lisbon	FT
Great Britain	University of Birmingham	FT
	University of Bradford	FT
Poland	Cracow University of Economics	FT
	University of Rzeszow	FT
Belgium	HEMES, Liège	FaME
Bulgaria	University of National and World Economy	FaME
Denmark	Herning Institute of Business Administration and Technology	FaME
	University of Southern Denmark	FaME
Finland	Savonia Polytechnic, Kuopio	FaME
France	Groupe ESC Troyes	FaME
	Groupe ESC St. Etienne	FaME
	IDRAC, Lyon	FaME
Italy	University of Genova	FaME
Germany	University of Duisburg-Essen	FaME
Netherlands	Hogeschool Zuyd	FaME
Poland	University of Rzeszow	FaME
	GSBE-HSICF Warsaw	FaME
	University of Management and Marketing in Sosnowiec	FaME
Portugal	Polytechnic Institute of Beja	FaME
	University Institute Dom Alfonso III in Loulé	FaME
	Polytechnic Institute of Porto	FaME
Austria	University of Applied Sciences, Steyr	FaME
	University of Applied Sciences, St. Pölten	FaME
Slovenia	University of Ljubljana	FaME
Finland	University of Lapland	FMC
Germany	University of Applied Sciences Dortmund	FMC
Poland	Academy of Fine Arts in Cracow	FMC
Portugal	University of the Algarve	FMC
Slovakia	Slovak University of Technology Bratislava	FMC
	Technical University of Kosice	FMC
Austria	University of Applied Sciences, St. Pölten	FMC
Poland	University of Rzeszow	UNI
Austria	University of Applied Sciences, St. Pölten	UNI
Slovakia	Constantine the Philosopher University, Nitra	UNI
Slovenia	University of Ljubljana	UNI

Within the framework of the Socrates programme, TBU also participates in projects of the Theme Network. Furthermore, TBU takes an active part in other European programmes and is a member of EUA.



## EU Programmes for Education and Preparation for Future Employment

Table No. 30

Programme	Socrates Erasmus	Socrates				Leonardo
		Comenius	Grundtvig	Lingua	Minerva	
Number of projects	1	0	0	0	0	2
Number of students sent abroad	71	0	0	0	0	4
Number of foreign students received at TBU	25	0	0	0	0	2
Number of academics sent abroad	45	0	0	0	0	0
Number of received foreign academics	2	0	0	0	0	0
<b>Subsidy (in thousands CZK)</b>	<b>3,709</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>344</b>

## Other Programmes

Table No. 31

Programme	Ceepus	Aktion	Others
Number of projects	2	1	3
Number of students sent abroad	2	4	16
Number of foreign students received at TBU	0	12	8
Number of academics sent abroad	1	5	0
Number of received foreign academics	0	2	0
<b>Subsidy (in thousands CZK)</b>	<b>117</b>	<b>74</b>	<b>820</b>

Note: In the column "Others" there are all University programmes that cannot be included in any other category.

## 10.3 | International Mobility of Students and Academic Employees |

TBU continuously enlarges the offer of subjects taught in English. They are offered mainly to international students, who come for exchange study stays, most often within the Socrates/Erasmus programme. The study has been made more easily accessible to the international students by creating the ECTS handbook in Czech and English, which contains a complete offer of all study programmes taught at TBU.

In 2005, a Rector's Directive that sets out clear rules and simplifies the procedure for recognising study periods

spent abroad was successfully implemented for the first time.

Figures concerning international mobilities of TBU students and academics are shown in the tables included in this Chapter. Collecting international experience is of great significance for improving the quality of education, research and management system at TBU, because both students and teachers use their personal experience from partner universities in evaluating all the activities of their home university.

## Other Study Stays Abroad

Table No. 32

Programme	Government Scholarship	Direct Inter-University Cooperation	
		in Europe	outside Europe
Number of students sent abroad	0	5	4
Number of foreign students received at TBU	2	0	0
Number of academics sent abroad	0	2	1
Number of received foreign academics	0	0	0



**Activities of Faculties  
and Other University Units**

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704119

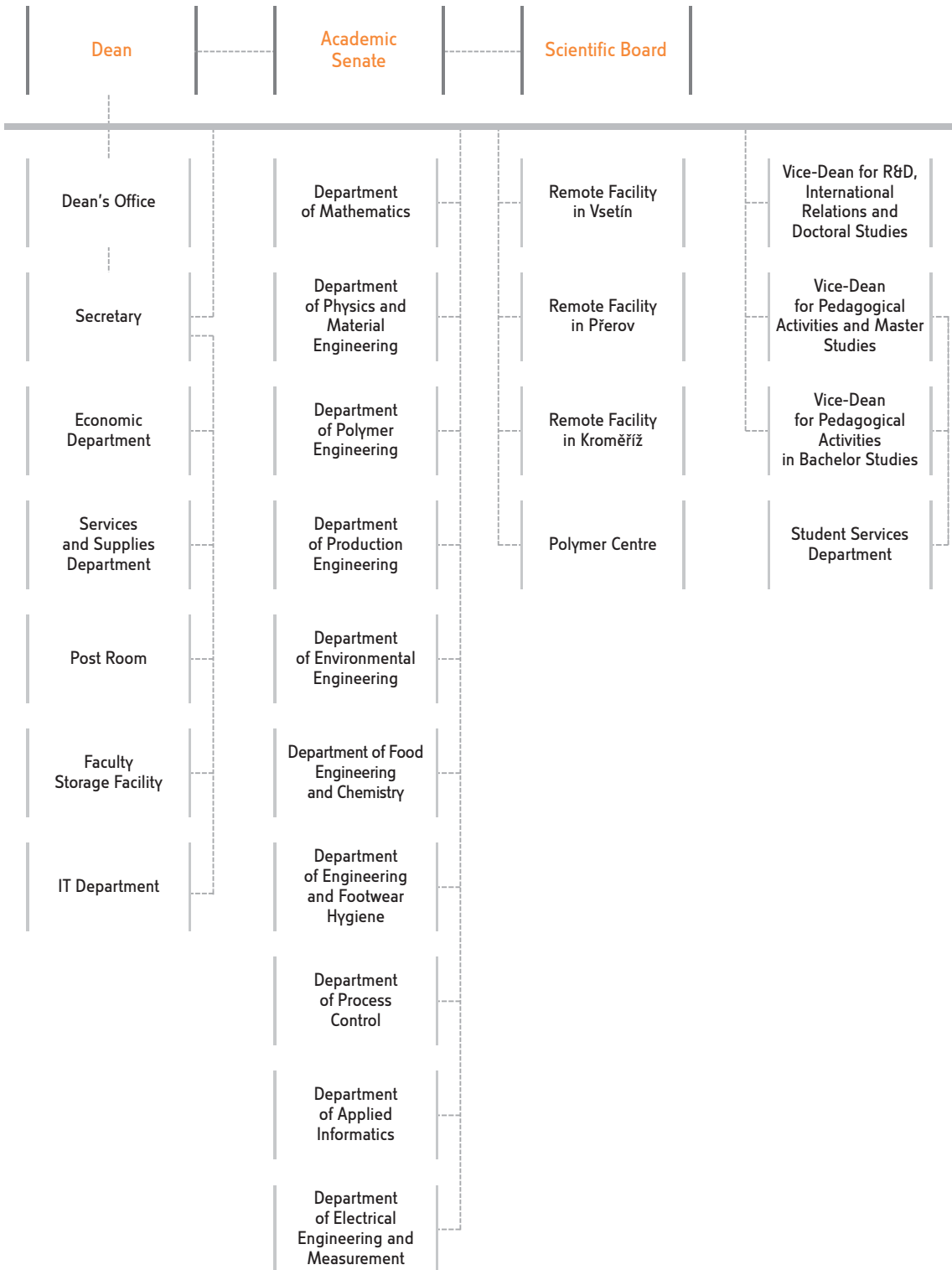


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## 11.1.1 | FT Organizational Structure |



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**Dean**

Prof. Ing. Josef ŠIMONÍK, CSc.

**Vice-Deans**

Prof. Ing. Lubomír LAPČÍK, DrSc., Dr. Hon. *Vice-Dean for Science and Research,  
International Relations and Doctoral Studies*

Doc. RNDr. Jiří DOSTÁL, CSc. *Vice-Dean for Pedagogical Activities in Bachelor Studies*

Doc. Ing. Miroslav MAŇAS, CSc. *Vice-Dean for Pedagogical Activities in Master Studies*

**Academic Senate**

Ing. Tomáš SYSALA, Ph.D. *Chairperson*

**Scientific Board**

Prof. Ing. Josef ŠIMONÍK, CSc. *Chairperson*

**Secretary**

Ing. Jan JANDÍK

**Chairpersons of Study Programmes Boards**

Prof. Ing. Milan MLÁDEK, CSc. *study programme Chemistry and Materials Technology*  
Prof. Ing. Ignác HOZA, CSc. *study programme Chemistry and Food Technology*  
Prof. Ing. Petr DOSTÁL, CSc. *study programme Chemical and Process Engineering*  
Doc. Ing. Miroslav MAŇAS, CSc. *study programme Process Engineering*  
Prof. Ing. Vladimír VAŠEK, CSc. *study programme Engineering Informatics*

**Chairpersons of Doctoral Programmes Boards**

Prof. Ing. Petr DOSTÁL, CSc. *study programme Chemical and Process Engineering*  
Prof. Ing. Jan KUPEC, CSc. *study programme Chemistry and Materials Technology,  
course in Technology of Macromolecular Substances*  
Prof. Ing. Lubomír LAPČÍK, DrSc., Dr. Hon. *study programme Chemistry and Materials Technology,  
course in Materials Chemistry*  
Prof. Ing. Ignác HOZA, CSc. *study programme Chemistry and Food Technology*

## 11.1.2 | FT Departments, Institute and Research Units |

### Department of Mathematics

Head: Doc. RNDr. Josef ZEDNÍK, CSc.

### Department of Physics and Materials Engineering

Head: Prof. Ing. Lubomír LAPČÍK,  
Ph. D.

### Department of Footwear Engineering and Hygiene

Head: Doc. Ing. Petr HLAVÁČEK, CSc.

### Department of Polymer Engineering

Head: Prof. Ing. Josef ŠIMONÍK, CSc.

### Institute of Process Control and Applied Informatics

Head: Prof. Ing. Vladimír VAŠEK, CSc.

### Department of Environmental Engineering

Head: Doc. Ing. Jaromír HOFFMANN, CSc.

### Department of Production Engineering

Head: Doc. Ing. Miroslav MAŇAS, CSc.

### Department of Food Engineering and Chemistry

Head: Prof. Ing. Ignác HOZA, CSc.

### Polymer Centre

Head: Prof. Ing. Petr SÁHA, CSc.

## 11.1.3 | FT Study Programmes |

### Bachelor Programmes

#### B 2807 Chemical and Process Engineering

*Courses*

Chemical and Process Engineering

full-time and combined studies

#### B 2808 Chemistry and Materials Technology

*Courses*

Shoemaking Technology (guaranteed by TBU and taught at the Higher Professional School of Business in Zlín)

full-time and combined studies

Chemistry and Materials Technology

full-time and combined studies

#### B 2901 Chemistry and Food Technology

*Course*

Chemistry and Food Technology

### Follow-up Master Programmes

#### N 2807 Chemical and Process Engineering

*Courses*

Automation and Process Control

Chemical and Process Engineering and Management

full-time studies

Automation and Process Control in Consumer Goods Industry

full-time and combined studies

#### N 2808 Chemistry and Materials Technology

*Courses*

Technology of Leather, Plastics and Rubber

Materials Engineering

Polymer Engineering

Footwear Engineering and Hygiene

Environmental Engineering

full-time studies

full-time and combined studies

#### B 3902 Engineering Informatics

*Courses*

Automatic Control and Informatics

Information Technologies

Security Technologies, Systems and Management

full-time and combined studies

#### B 3909 Process Engineering

*Courses*

Technological Equipment

full-time and combined studies

#### N 3902 Engineering Informatics

*Courses*

Automatic Control and Informatics

Information Technologies

full-time and combined studies

Security Technologies, Systems and Management

Teaching IT at Elementary and Secondary Schools

full-time studies

#### N 3902 Process Engineering

*Courses*

Technological Equipment Construction

Quality Control

Production Engineering

full-time studies

## Master Programmes

### M 2808 Chemistry and Materials Technology

#### Courses

Technology of Leather, Plastics and Rubber  
Footwear and Leatherwear Technologies  
Rubber and Plastics Technologies  
Proteins Technology  
Environmental Technology  
Material Engineering  
Technology and Management  
full-time and combined studies

### M 2807 Chemical and Process Engineering

#### Course

Automation and Process Control in Consumer Goods  
Industry  
full-time and combined studies

### M 6208 Economics and Management

#### Course

Economics and Nutrition Hygiene  
full-time studies

## Doctoral Programmes

### P 2807 Chemical and Process Engineering

#### Course

Technical Cybernetics  
full-time and combined studies

### P 2901 Chemistry and Food Technology

#### Course

Food Technology  
full-time and combined studies

### P 2808 Chemistry and Materials Technology

#### Courses

Technology of Macromolecular Substances  
Materials Chemistry  
full-time and combined studies

## Applicants' Interest in FT Bachelor Programmes

| Table No. 33

Study Programme	Study Programme Code	Number of				
		Applications Received <sup>1)</sup>	Applicants <sup>2)</sup>	Accepted <sup>3)</sup>	Newly Accepted <sup>4)</sup>	Registered <sup>5)</sup>
CHPI	2807	16	16	8	8	1
CHTM	2808	217	217	171	171	126
CHTP	2901	559	559	451	451	276
II	3902	777	777	517	517	403
PI	3909	300	300	236	236	175
<b>Total</b>		<b>1,893</b>	<b>1,893</b>	<b>1,383</b>	<b>1,383</b>	<b>981</b>

## Applicants' Interest in FT Follow-up Master Programmes

| Table No. 34

Study Programme	Study Programme Code	Number of				
		Applications Received <sup>1)</sup>	Applicants <sup>2)</sup>	Accepted <sup>3)</sup>	Newly Accepted <sup>4)</sup>	Registered <sup>5)</sup>
CHPI	2807	15	15	15	15	15
CHTM	2808	59	59	59	59	59
CHTP	2901	24	24	24	24	23
II	3902	165	165	162	162	153
PI	3909	43	43	39	39	38
<b>Total</b>		<b>306</b>	<b>306</b>	<b>299</b>	<b>299</b>	<b>288</b>

### Notes:

- <sup>1)</sup> Total number of applications received.
- <sup>2)</sup> Number of applicants for study. The figures express the number of individuals; the study courses totals include multiple applications (i.e. students applying for more than one course)
- <sup>3)</sup> Number of applications responded to positively.
- <sup>4)</sup> Number of accepted applicants. The figures express the total number of individuals; the study courses totals include applicants accepted to more than one course.
- <sup>5)</sup> Number of accepted students who actually registered to start their studies.



## Number of Students at FT

| Table No. 35

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
CHPI	2807	21	41	52	114
CHTM	2808	300	121	90	511
CHTP	2901	419	38	9	466
II	3902	863	248	-	1,111
PI	3909	316	66	-	382
EM	6208	-	9	-	9
<b>Total</b>		<b>1919</b>	<b>523</b>	<b>151</b>	<b>2,593</b>

## Number of International Students at FT, Including Students from Slovakia

| Table No. 36

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
CHPI	2807	-	-	2	2
CHTM	2808	54	10	11	75
CHTP	2901	6	-	-	6
II	3902	42	13	-	55
PI	3909	21	-	-	21
EM	6208	-	-	-	0
<b>Total</b>		<b>123</b>	<b>23</b>	<b>13</b>	<b>159</b>

## Number of Graduates from FT

| Table No. 37

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
CHPI	2807	16	29	2	47
CHTM	2808	56	60	15	131
II	3902	129	4	-	133
PI	3909	39	-	-	39
EM	6208	3	11	-	14
<b>Total</b>		<b>243</b>	<b>104</b>	<b>17</b>	<b>364</b>

### Notes:

CHTM - Chemistry and Materials Technology

CHPI - Chemical and Process Engineering

CHTP - Chemistry and Food Technology

II - Engineering Informatics

PI - Process Engineering

EM - Economics and Management

### Commentary:

The following prizes were awarded: TBU Rector's Award (1), the Tajmac-ZPS Zlín Award (1), the TBU Foundation Award (1), the Tomas Bata Foundation Award (1), the Zlín Mayor's Award (1), the Czech Shoemaking Association Award (2), the HELLA Autochemik Mohelnice Prize (3), the Award of the Association for the Zlín Region Development and GTS International (1), the Private Security Agencies Association Award (1), and the Department of Production Engineering Award (3).

In doctoral programme, the Rector awarded the Prize for Dissertation (1) and the Siemens Award for Doctoral Thesis (1).

A diploma with honours was awarded to 8 graduates from bachelor programmes; 8 students received the FT Dean's Prize for outstanding dissertations.

15 graduates from master programmes received a diploma with honours. 9 graduates were awarded the FT Dean's Prize for outstanding dissertations.

### Bachelor Programmes Taught Off University Premises

Since 2002, the Faculty of Technology runs classes at remote workplaces in Přerov (Secondary Technical School) and in Vsetín (Secondary Technical School of Engineering).

FT – Remote facility in Přerov – bachelor programme Engineering Informatics. For number of students see the table.

Table No. 38

1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year
18	9	(taught in Zlín)

FT – Remote facility in Vsetín – full-time bachelor course in Process Engineering. For number of students see the table.

Table No. 39

1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year
38	0	29

In 2004, the study programme Chemistry and Food Technology with specialization in Technology and Management in Gastronomy was opened at the remote workplace in Kroměříž (Special Secondary School).

FT – Remote facility in Kroměříž – bachelor programme Chemistry and Food Technology. For number of students see the table.

Table No. 40

1 <sup>st</sup> year	2 <sup>nd</sup> year	3 <sup>rd</sup> year
34 (full-time) / 64 (combined)	31 (full-time)	0

## 11.1.4 | Innovation and Accreditation of FT Study Programmes; Graduates' Success in the Labour Market |

### Bachelor Programmes:

Within the study programme Chemistry and Materials Technology, the course in Chemistry and Materials Technology was re-accredited. Innovation brought an increase in the amount of English lessons and a complex system of economic subjects.

The study courses Technological Equipment in the programme Process Engineering, and the course Chemistry and Food Technology in the study programme Chemistry and Food Technology were newly opened in combined form of study.

### Follow-up Master Programmes:

A new course, Security Technologies, Systems and Management, was newly accredited in full-time form in the programme Engineering Informatics.

In the study programme Chemistry and Materials Technology, the current courses were reaccredited with new names and economic subjects were introduced to continue in the trend set up in bachelor studies:

- Material Engineering

- Footwear Engineering and Hygiene (formerly Footwear and Leather Goods Production)
- Polymer Engineering (formerly Polymeric Materials and Technology)
- Environmental Engineering (formerly Environmental Technology)

### Doctoral programmes:

In the study programme Chemistry and Materials Technology, a course Materials Chemistry was accredited in full-time and combined form.

The study programme Chemistry and Food Technology was newly accredited, with the course in Food Technology in both full-time and combined form.

In the course of the year 2005, accreditations were prepared for two new study courses in follow-up master programmes: the course in Chemical and Technological Risks Management and Risk Management in Food Industry and Food Safety in the programme Chemistry and Food Technology.

## 11.1.5 | Research and Development at FT |

### Main Areas of Research and Development at the Faculty

Research activities at FT are oriented towards basic and applied research. Research and development is carried out at the individual faculty departments and work-places.

The main areas of research at the Faculty of Technology are as follows:

- characteristics of polymer systems,
- processes of dividing materials with a wire tool using the dispersion of polymer systems,
- control of technological processes,
- spontaneous processes in biopolymer gel layers,
- acoustic properties of transition systems, alternative sources of energy and spumoid systems, minimisation of the influences of industrial wastes on the environment, removing wastes by their stabilisation,
- processing of collagen-based raw materials,
- healthy footwear,
- biopolymers as a part of food compositions.

### Focus of Research and Development Activities at the FT Departments

In 2005, the research was at FT carried out at departments and in the Polymer Centre. The financial funds for the research activities came from the institutions that assigned the projects, including foreign projects and received funds for specific research.

#### Department of Physics and Material Engineering

- Applied acoustics and mechanics of bodies
- Computer modelling
- Characterization of dielectric properties of materials
- Sorption/desorption phenomena at the solid/liquid and solid/gas interfaces
- Applied plasma chemistry and physics and physics of plasma
- Preparation and characterization of thin-layers
- Measurement of tensile behaviour of materials
- Applied colloidal and surface chemistry

#### Department of Mathematics

- Differential equations
- Universal algebra and theory of unions
- Numerical mathematics - final elements method
- Statistics
- Didactics of teaching mathematics at universities and secondary schools

#### Department of Polymer Engineering

- Study of nano-composite polymer/clay systems with the focus on the mechanism of the intercalation theory. Preparation, intercalation, compounding, correlation of properties and process mechanisms, study of structures of nano-composite systems, application
- Thermo-fixation technology, application of general rules for process description, modelling of basic technological units
- Correlation of technical conditions for processing with the structure and properties of polymer systems

In the course of the year 2005, significant results were achieved not only in the sphere of quantitative description of processes and systems, but also in practical use of the gained knowledge. Mutual communication between individual departments improved, as did the complex utilization of the faculty equipment and thus also the economic level of research and development activities.

Possibilities for application of selected groups of biopolymers as a part of industrial helping aids in consumer industry were studied. Three products are being prepared for trial production.

The research took place at particular departments within 2 research projects, and grant projects of the Czech Ministry of Education, Youth and Sports, the Czech Ministry of Industry and Trade, and other legal entities that provide specific grants of the kind, or EU through the 6<sup>th</sup> and 7<sup>th</sup> framework programmes.

- Monitoring of mixing process
- Extrusion and unstable flows of polymers
- Composites with polymer matrices and their properties
- Thermo-mechanical analysis of polymer systems
- Structure and properties of liquid crystals
- Intelligent polymeric materials

#### Department of Engineering and Footwear Hygiene

- Processing and utilization of wastes from leather processing and meat industry
- Healthy footwear, development and testing of special prophylactic shoes for diabetics, biomechanics of a shod foot
- Adhesion of shoemaking materials and its optimisation
- Studies of historical samples of footwear and products made of leather
- Clean technologies - environmentally acceptable variants of disposal of solid wastes from tanning

#### Department of Environmental Engineering

- Environmental issues - research and application of methodology for evaluation of xenobiotics, their behaviour and destiny in biotic environment
- Remedial treatment of water and soil contaminated by chlorinated hydrocarbons and oil products
- Evaluation of biodegradation of polymeric materials in aerobic and anaerobic biotic environment, soluble and insoluble in water
- Deproteinisation of chrome wasters from enzymatic hydrolysis of shavings
- Application of products of protein wastes hydrolysis in leather industry
- Coordination, implementation and presentation of international R&D projects dealing with the development of climactic changes and natural conditions in central Asia

- Solid wastes stabilization/solidification using inorganic and organic binding agents
- Application of biologic eco-toxicity tests for evaluation of hazardous wastes and the efficiency of their stabilization
- Geopolymeration and possibilities for application of geopolymers
- Biologic eco-toxicity tests for evaluating the efficiency of stabilization/solidification
- Preparation and reactions of quinoline derivatives
- Properties of diluted solutions of synthetic macromolecular substances

#### **Department of Food Engineering and Chemistry**

- Food for rational nutrition, nutritional value of food in relation to the technological processing and storing
- Securing food and food provision in crisis
- Factors influencing the sensory properties of food
- Biologic efficiency of proteins and fats
- Production economics, its application in food industry and in public catering

#### **Department of Production Engineering**

- Composites with polymer matrices and their properties
- Production machinery and equipment
- Modelling of mechanical behaviour of polymers and structural analysis of products from polymer materials and composites with polymer matrices
- Machinability of polymers, composites and metals

- Surface finishing of moulds, extrusion heads and other metal parts

#### **Institute of Process Control and Applied Informatics**

- Application of modern automatic control methods in control of linear and non-linear technological processes
- Decentralized monitoring and control systems on the basis of microcomputers and industrial computers
- Design and implementation of single-purpose microcomputer regulators
- Modelling of tanning processes with regard to their automatic control
- Instrumentation technology, non-electric variables scanning, and signal processing
- Automation in power plant engineering with special focus on centralized heat distribution, control of combined electrical energy and heat production, heat distribution control
- Application of artificial intelligence methods in process control
- Software engineering

#### **Polymer Centre**

- Rheology of polymer melts and suspensions
- Electrorheology
- Non-stable polymer flows
- Molecular electronics
- Thermodynamics of polymer systems
- Physical ageing
- Highly filled systems, biodegradable polymers
- Polymer mixtures
- Percolation phenomena, inter-phase phenomena and intelligent manifestations

### **Significant Cooperation in R&D between FT and Czech Institutions**

Research results are oriented towards applied and basic research and are used above all in rubber and plastics industries, car manufacturing, health care, agriculture, textile and food industry. See the overview below.

Czech Technical University in Prague

Institute of Chemical Technology Prague

Palacky University Olomouc

University of Pardubice

University of Technology Brno

Masaryk University Brno

Charles University Prague

VŠB - Technical University of Ostrava

University of Defence Brno

Mendel University of Agriculture and Forestry in Brno

University of Veterinary and Pharmaceutical Sciences

Research Institute for Organic Syntheses in Pardubice

Ministry of Defence of the Czech Republic

Ministry of Internal Affairs of the Czech Republic

Alliachem, a. s., Pardubice, water treatment and incineration plant

ATEKO, a. s., Hradec Králové

Bajer a spol., s. r. o.

Centroprojekt, a. s., Zlín

Centre for Aviatc and Spatial Research, Technical University in Brno

CUTISIN, a. s., Jilemnice

Česká zbrojovka a. s., ammunition factory, Uherský Brod

Czech Technological Centre for Inorganic Pigments, a.s., Přerov

Český mák, a. s.

DPS Přerov, a. s.

EPOS, s. r. o., Želechovice, Zlín

Frigopríma, s. r. o.

I & C Energo, s. r. o., Třebíč

Institute for Testing and Certification, a. s., Zlín

Intercaps, s. r. o., Zlín

KORTAN, s. r. o., Hrádek nad Nisou

Laksyma, a. s.

RADANAL, s. r. o.

Robert Bos, s. r. o., České Budějovice

SOLARTEC, s. r. o., Rožnov pod Radhoštěm

Strojírna Pálava, a. s., machine-works, Kladno

TAREX, s. r. o., Otrokovice

Terex-Tatra, a. s., Kopřivnice

TESCOMA, s. r. o., Zlín

THEMIS, a. s., Rožnov pod Radhoštěm

TOMA, a. s., Otrokovice

TUFO, a. s., Otrokovice

Water Resources, a. s., Holešov

## Focus of Research Projects at FT

Departments research activities in this sphere were financed from the resources received from the Czech Ministry of Education, Youth and Sports for research.

| Table No. 41

Research Project (short title)	Total (in thousands CZK)
Multifunctional composite systems based on natural and synthetic polymers	29,179
Modelling and control of natural and synthetic polymer processing	15,649

## FT Participation in Projects Financed from Specific Resources

Financial resources for research activities at FT departments came from specific resources for projects, including international projects.

| Table No. 42

Resources Provider/ Type of Project	Number of Projects	Allocated Resources (in thousands CZK)
<b>Grant Agency CZ</b>		
Funds provided - researchers	7	2,534
Funds provided - fellow-researchers	6	1,525
<b>Grant Agency AV CZ</b>	2	566
<b>Other resorts (apart from MŠMT CZ)</b>		
MPO CZ - fellow researchers	9	2,172
Czech Government Fund for Environment	1	472
Regional Authorities	1	7.5
<b>International R&amp;D Cooperation</b>		
ME - KONTAKT	8	801
AIP PRAHA	2	42
EUREKA	1	600

## Significant International Cooperation in R&D at FT

### FT Participation in Projects

| Table No. 43

Programme Code	Title of the R&D Support Programme	Number of Projects	Allocated Resources (in thousands CZK)
5. RP	RESTORM	1	318
6. RP	SCRATCH PHASE	1	216
6. RP	NANOFUN	1	340
<b>Total</b>		<b>3</b>	<b>874</b>

5<sup>th</sup> Framework Programme Project EU G1RD-CT-2002-00772

“Radial Environmentally Sustainable Tannery Operation by Resource Management - RESTORM”

Researcher in charge: Prof. Ing. K. Kolomazník, DrSc.

6<sup>th</sup> Framework Programme Project EU ASA3-CT-2004-510981

“Support for SMEs Collaborative Aeronautical Technical Research” (SCRATCH PHASE IV)

Researcher in charge: Prof. Ing. L. Lapčík, Ph.D. – head of the Czech group

6<sup>th</sup> Framework Programme Project EU RS240361

“Nanostructured and Functional Polymer-based Materials and Nanocomposites” (NANOFUN)

Researcher in charge: Prof. Ing. J. Šimoník, CSc.

### FT Participation in the 5<sup>th</sup> and 6<sup>th</sup> Framework Programmes

| Table No. 44

Type of Project	Number of Projects	Allocated Resources (in thousands CZK)
5 <sup>th</sup> Framework Programme	1	318
6 <sup>th</sup> Framework Programme	2	556

## Other International Cooperation at FT - Direct Cooperation with Institutions

ÖFI Technologie & Innovation GmbH (Ltd), Vienna, Austria  
University of Zagreb, Zagreb, Croatia  
Laboratory of Macromolecular Materials, INSA, Lyon, France  
University of Trencin, Faculty of Industrial Technology, Puchov, Slovak Republic  
Blaise-Pascal University, The Graduate School of Chemistry and Chemical Engineering of Clermont-Ferrand, Clermont-Ferrand Cedex, France  
University of Veszprém, College of Mechanical Engineering and Automatization, Kecskemet, Hungary  
Technical University of Kosice, Faculty of Manufacturing Technologies, Presov, Slovak Republic  
Cracow University of Technology, Cracow, Poland  
Technical University of Kosice, Kosice, Slovak Republic  
University of Miskolc, Miskolc-Egyetemváros, Hungary  
Vienna University of Technology, Vienna, Austria  
University of Paderborn, Paderborn, Germany  
Trelleborg Industri AB, Trelleborg, Sweden  
University of Twente, Enschede, Netherlands  
Krupp Elastomertechnik GmbH, Freudenberg, Germany  
East China University of Science and Technology, Shanghai, China  
Chalmers University of Technology, Göteborg, Sweden  
Indian Institute of Technology, New Delhi, India  
Instituto Politécnico Nacional, Mexico, Mexico  
National Institute of Advanced Industrial Science and Technology, Macromolecular Technology Research Center, Tsukuba, Japan  
Institute of Radioengineering and Electronics, Moscow, Russia  
Sardar Patel Renewable Energy Research Institute, Vallabh Vidyanagar, Gujarat, India  
Sichuan University, The State Key Laboratory of Polymer Materials Engineering, Sichuan, China  
University of Bradford, Bradford, Great Britain  
University of Ljubljana, Ljubljana, Slovenia  
University of Waterloo, Ontario, Canada  
EUROHEAT@POWER, Unichal, Brussels, Belgium  
University of Applied Sciences Zittau/Görlitz, Institute of Process Technique, Process Automation and Measuring Technique, Zittau, Germany  
Fernwärme Wien, Vienna, Austria  
Technical University of Catalonia, Department of Chemical Engineering, Barcelona, Spain  
CORYS T.E.S.S., Grenoble, France  
Brandenburg University of Technology Cottbus, Cottbus, Germany  
Korean Institute of Electrical Engineers, Seoul, Korea  
University of Calgary, Calgary, Canada  
Universidad Autónoma De Occidente, Cali, Colombia  
Institut National des Télécommunications, Handicom Laboratory, Cedex, France  
Stanford University, Department of Mechanical Engineering, Telerobotics Laboratory, Medical Robotics and Surgery, Stanford, Great Britain  
VA Department, Robotics Research and Development Laboratory, Palo Alto HCS, USA  
University of Craiova, Craiova, Romania  
Technical University of Lisbon, Lisbon, Portugal  
University of Strathclyde, Glasgow, Great Britain  
Budapest University of Technology and Economics, Budapest, Hungary  
The Open University Oxford, Oxford, Great Britain  
Slovak University of Technology, Bratislava, Slovak Republic  
Politecnico di Milano Technical University, Milano, Italy  
Salesian University of Gliwice, Gliwice, Poland  
University of Applied Sciences, Cologne, Germany  
Lapperaanta University of Technology, Lapperaanta, Finland  
University of Aveiro, Aveiro, Portugal  
University College Northampton, Northampton, Great Britain  
VIPO A/S, Partizanske, Slovak Republic  
CNRS - ENSIS, Nancy, France  
LAAS - CNRS, Toulouse, France  
US Department of Agriculture, Eastern Regional Research Center, Philadelphia, USA  
Research Institute for Leather and Artificial Leather Technology Ltd., Freiberg, Germany  
University of Pisa, Department of Chemistry and Industrial Chemistry, Pisa, Italy  
A/S Eccolet Sko, Bredebro, Denmark  
Industrial Igualadina, S. L., Igualada, Spain  
Biotim-A Division of Fabrocom Air Conditioning, Wilrijk, Belgium  
University of Westminster, London, Great Britain  
CSIC, Madrid, Spain  
RWTH Aachen, Aachen, Germany  
Eagle Ottawa Warrington Ltd, Great Britain  
Slovak Academy of Sciences, Bratislava, Slovak Republic  
University of Budapest, Budapest, Hungary  
LIRMM Montpellier, Cedex, France  
University of Delhi, Delhi, India  
New Jersey Institute of Technology, Newark, USA  
Research Center for Advanced Waste and Emission Management, Nagoya University, Japan  
Russian Academy of Sciences, Moscow, Russia  
Altai State University, Barnaul, Russia  
University of London, London, Great Britain  
Memorial University St. John's, St. John's, Canada  
University of Alberta, Edmonton, Canada  
University of Bijsk, Bijsk, Russia  
University Karaganda, Kazakhstan, Russia  
University of Ljubljana, Slovenia  
University of Zilina, Zilina, Slovak Republic  
University of Warmia and Mazury, Olsztyn, Poland

## FT Participation in International Programmes - Mobility

Table No. 45

Programme	Socrates Erasmus	Socrates				Leonardo
		Comenius	Grundtvig	Lingua	Minerva	
Number of projects	1	0	0	0	0	1
Number of studens sent abroad	17	0	0	0	0	4
Number of received international students	4	0	0	0	0	5
Number of academics sent abroad	32	0	0	0	0	0
Number of received international academics	0	0	0	0	0	0
<b>Subsidy (in thousands CZK)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,350 EUR</b>

Programme	Ceepus	Aktion	Others
Number of projects	2	0	0
Number of studens sent abroad	2	0	11
Number of received international students	0	0	7
Number of academics sent abroad	1	0	0
Number of received international academics	0	0	0
<b>Subsidy (in thousands CZK)</b>	<b>117</b>	<b>0</b>	<b>573</b>

Programme	Government Scholarships	Direct University Cooperation	
		in Europe	outside Europe
Number of studens sent abroad	0	0	4
Number of received international students	0	0	0
Number of academics sent abroad	0	2	1
Number of received international academics	0	0	0



## 11.1.6 | Graduates from Doctoral Programmes at FT |

Table No. 46

Graduate	Dissertation Title	Supervisor	Defence Date
<b>Study programme P2808 Chemistry and Materials Technology</b>			
<b>Study course 2808V006 Technology of Macromolecular Substances</b>			
Ing. Roman Čermák, Ph.D.	Beta polypropylene: interrelations between structure, properties and processing	Doc. Ing. K. Stoklasa, CSc.	7. 1. 2005
Ing. Alena Kalendová, Ph.D.	Polymer/clay nanocomposites	Prof. Ing. J. Šimoník, CSc.	14. 1. 2005
Ing. Pavol Meluš, Ph.D.	Testing of protein products from recycling of chrome in tanning wastes as a modifier of selected building materials	Prof. Ing. M. Mládek, CSc.	3. 2. 2005
Ing. Vít Buchta, Ph.D.	Multi-layer polymer structures for damping mechanical energy	Prof. Ing. L. Lapčík, Ph.D.	24. 2. 2005
Ing. Martina Kaszoniová, Ph.D.	Polymorphy of aromatics polyesters and polyamids and isotactic polybuten 1	Prof. Ing. F. Rybníkář, CSc.	5. 4. 2005
Ing. Dalibor Kuchař, Ph.D.	Stabilization / solidification of wastewater treatment sludges	Prof. Ing. M. Vondruška, CSc.	20. 4. 2005
Ing. Věra Halabalová, Ph.D.	Some properties of amphiphillic polymers in solutions	Doc. RNDr. I. Fortelný, CSc.	4. 5. 2005
Ing. at Ing. Ivo Kuřitka, Ph.D.	Study of organosilicon materials with variable dimensionality	Prof. Ing. F. Schauer, DrSc.	13. 7. 2005
Ing. Josef Houser, Ph.D.	Use of chrome and its voltammetric determination in the environment	Prof. Ing. I. Kupec, CSc.	14. 9. 2005
Ing. Zdeňka Prucková, Ph.D.	Stabilisation/solidification of liquid wastes	Prof. Ing. M. Vondruška, CSc.	14. 9. 2005
Ing. Lucie Kovářová, Ph.D.	The study of component interaction in dispersive polymer environment	Prof. Ing. I. Šimoník, CSc.	29. 9. 2005
Ing. Martina Bučková, Ph.D.	Biodegradable plastics on the basis of waste protein and their biological degradation under anaerobic conditions	Prof. Ing. K. Kolomazník, DrSc.	26. 10. 2005
Ing. Simona Mrkvičková, Ph.D.	Modification of un-saturated polyester resins	Doc. Ing. A. Blaha, CSc.	26. 10. 2005
Ing. Aleš Mráček, Ph.D.	Kinetics and thermodynamics of bioactive polymer dissolution	Prof. Ing. L. Lapčík, DrSc., Dr. Hon.	24. 11. 2005
Ing. Juraj Kasala, Ph.D.	The collagen crosslinking	Prof. Ing. Kolomazník, DrSc.	30. 11. 2005
<b>Study Programme P2807 Chemical and Process Engineering</b>			
<b>Study Course 2612V045 Technical Cybernetics</b>			
Ing. Petr Mrázek, Ph.D.	SMS server with optimized operation costs and time of attendance	Prof. Ing. I. Vašek, CSc.	1. 4. 2005
Ing. David Sámek, Ph.D.	Predictive control with the help of artificial neuron networks	Prof. Ing. P. Dostál, CSc.	11. 11. 2005

## 11.1.7 | Publications and R&D Activities at FT |

Table No. 47

Type	ÚFMI	ÚM	ÚIP	ÚIHO	UIOŽP	ÚVI	IRPI	CPM	ÚPICH	Number
Monograph or a chapter in a monograph	1	0	1	0	0	3	17	9	3	34
Contributions in international scientific journals	6	1	27	4	6	5	7	20	16	92
Contributions in Czech and Slovak journals	6	1	3	5	3	2	12	0	5	37
Contributions at international conferences in a foreign language	4	9	47	27	22	24	91	62	38	324
Contributions at domestic conferences	5	10	34	25	5	34	37	0	24	174
Other - patents, engineering, artistic and other works	1	1	0	0	0	0	0	0	0	2
Teaching texts	0	3	0	0	0	1	12	0	11	27
Dissertations	1	0	6	1	3	2	2	1	3	19
Habilitation thesis	0	0	2	0	0	0	1	1	0	4
<b>Total</b>	<b>24</b>	<b>25</b>	<b>120</b>	<b>62</b>	<b>39</b>	<b>71</b>	<b>179</b>	<b>93</b>	<b>100</b>	<b>713</b>

### Notes:

ÚFMI - Department of Physics and Material Engineering

ÚM - Department of Mathematics

ÚIP - Department of Polymer Engineering

ÚIHO - Department of Engineering and Footwear Hygiene

ÚIOŽP - Department of Environmental Engineering

ÚVI - Department of Production Engineering

IRPI - Institute of Process Control and Applied Informatics

CPM - Polymer Centre

ÚPICH - Department of Food Engineering and Chemistry

## 11.1.8 | International Cooperation at FT |

FT departments cooperate with a number of universities and other scientific institutions abroad in research and development and in mutual exchanges of students, teachers and scientific workers. The faculty's cooperation with other universities within the framework of the Socrates/Erasmus programme is outlined in Chapter 10. International Cooperation.

## 11.1.9 | Habilitation Proceedings at FT |

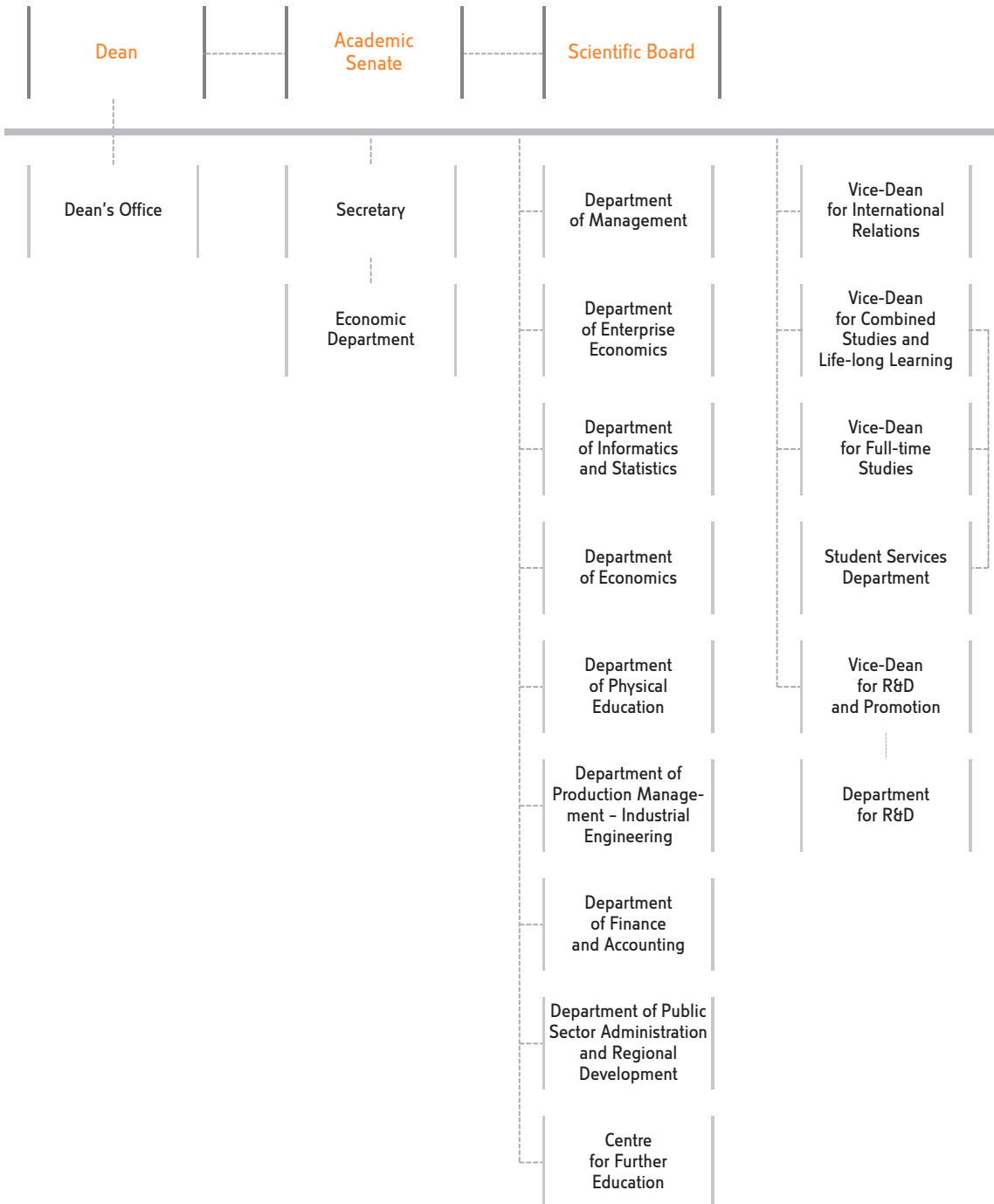
See Chapter 8. 5.



## 11.2

Faculty of Management and Economics

## 11.2.1 | FaME Organizational Structure |



**Address:**

Tomas Bata University in Zlín  
Faculty of Management and Economics  
Mostní 5139, 760 01 Zlín  
tel. +420576 032 120  
[www.fame.utb.cz](http://www.fame.utb.cz)

**Dean**

Doc. PhDr. Vnislav NOVÁČEK, CSc.

**Vice-Deans**

Doc. Ing. Roman BOBÁK, Ph.D.

*Vice-Dean for R&D and Public Relations; Statutory Deputy*

Mgr. Alena KOLČAVOVÁ, Ph.D.

*Vice-Dean for Full-time Studies*

Doc. PhDr. Ing. Aleš GREGAR, CSc.

*Vice-Dean for Combined Studies and Lifelong Learning*

RNDr. Bedřich ZIMOLA

*Vice-Dean for International Relations*

**Academic Senate**

Ing. Vratislav KOZÁK, Ph.D.

*Chairperson*

**Scientific Board**

Doc. PhDr. Vnislav NOVÁČEK, CSc.

*Chairperson*

**Secretary**

Ing. Zdeněk RAŠKA, Ph.D.

**Chairperson of the Study Programmes Board and the Lifelong Learning Board**

Doc. Ing. Ludmila HROMKOVÁ, CSc.

**Chairperson of the Doctoral Programme Board**

Prof. Ing. František TRNKA, CSc.

## 11.2.2 | FaME Departments |

### Department of Economics

Head: Doc. Ing. Jitka KLOUDOVÁ, Ph.D.

### Department of Management

Head: Ing. Pavla STANKOVÁ, Ph.D.

### Department of Finance and Accounting

Head: Doc. Dr. Ing. Drahomíra PAVELKOVÁ

### Department of Enterprise Economics

Head: Prof. Ing. Jiří POLÁCH, CSc.

### Department of Informatics and Statistics

Head: Doc. Ing. Rudolf POMAZAL, CSc.

### Department of Public Sector Administration and Regional Development

Head: Doc. RNDr. René WOKOUN, CSc.

### Department of Production Management - Industrial Engineering

Head: Doc. Ing. Roman BOBÁK, Ph.D.

### Department of Physical Training

Head: Mgr. Zdeněk MELICHÁREK

### Centre for Further Education

Head: RNDr. Bedřich ZIMOLA

## 11.2.3 | FaME Study Programmes |

### Bachelor Programmes

#### B 6208 Economics and Management

*Courses*

Management and Economics

Marketing\*)

Financial Management of Enterprise\*)

full-time and combined studies

\*) programmes guaranteed by TBU and taught at the Tomas Bata Business Academy and the Higher Professional School of Business in Zlín

#### B 6202 Economic Policy and Administration

*Courses*

Public Sector Administration and Regional Development

Public Economics and Administration\*)

full-time and combined studies

### Follow-up Master Programmes

#### N 6208 Economics and Management

*Courses*

Management and Marketing

Enterprise Economics

Industrial Engineering

full-time and combined studies

#### N 6202 Economic Policy and Administration

*Courses*

Finance

full-time and combined studies

Public Sector Administration and Regional Development

full-time studies

### Doctoral Programme

#### P 6208 Economics and Management

*Course*

Management and Economics

full-time and combined studies

## LIFELONG LEARNING PROGRAMMES

The Faculty offers all accredited study programmes and courses also as Lifelong Learning programmes, except for the courses taught at the Tomas Bata Business Academy and the Higher Professional School of Business, Zlín.

### Bachelor Programmes

#### B 6208 Economics and Management

*Course*

Management and Economics

#### B 6202 Economic Policy and Administration

*Course*

Public Sector Administration and Regional Development

### Follow-up Master Programmes

#### N 6208 Economics and Management

*Courses*

Management and Marketing

Enterprise Economics

Industrial Engineering

#### N 6202 Economic Policy and Administration

*Courses*

Finance

Public Sector Administration and Regional Development

In 2005, the bachelor lifelong learning programmes had 22 students of Management and Economics and 22 students of Public Sector Administration and Regional Development. In the master programme Economics and Management there were 62 students, and 1 student studied Economic Policy and Administration, the

course in Finance. Altogether, there were 107 students studying in lifelong learning programmes. As a part of its lifelong learning activities, the faculty also organized preparatory courses for applicants for bachelor and follow-up programmes.

### Applicants' Interest in FaME Bachelor Programmes

Table No. 48

Study Programme	Study Programme Code	Number of				
		Applications Received <sup>1)</sup>	Applicants <sup>2)</sup>	Accepted <sup>3)</sup>	Newly Accepted <sup>4)</sup>	Registered <sup>5)</sup>
EM	B 6208	1,998	1,998	527	527	352
MAR	B 6208	292	292	131	131	103
FRP	B 6208	253	253	117	117	91
VSRR	B 6202	499	499	149	149	114
VES	B 6202	147	147	41	41	28
<b>Total</b>		<b>3,189</b>	<b>3,189</b>	<b>965</b>	<b>965</b>	<b>688</b>

### Applicants' Interest in FaME Master Programmes

Table No. 49

Study Programme	Study Programme Code	Number of				
		Applications Received <sup>1)</sup>	Applicants <sup>2)</sup>	Accepted <sup>3)</sup>	Newly Accepted <sup>4)</sup>	Registered <sup>5)</sup>
MM	N 6208	554	554	318	318	284
PE	N 6208	176	176	93	93	87
PI	N 6208	38	38	28	28	29
FI	N 6202	243	243	151	151	139
<b>Total</b>		<b>1,011</b>	<b>1,011</b>	<b>590</b>	<b>590</b>	<b>539</b>

#### Notes:

- <sup>1)</sup> Total number of applications received.
- <sup>2)</sup> Number of applicants for study. The figures express the number of individuals; the study courses totals include multiple applications (i.e. students applying for more than one course)
- <sup>3)</sup> Number of applications responded to positively.
- <sup>4)</sup> Number of accepted applicants. The figures express the total number of individuals; the study courses totals include applicants accepted to more than one course.
- <sup>5)</sup> Number of accepted students who actually registered to start their studies.

### Number of Students at FaME

Table No. 50

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
EM	B, N, P 6208	944	697	97	1,738
MAR	B 6208 VOŠE	702	-	-	702
HPS	B, N 6202	323	256	-	579
VES	B 6202 VOŠE	87	-	-	87
<b>Total</b>		<b>2,056</b>	<b>953</b>	<b>97</b>	<b>3,106</b>

### Number of International Students at FaME, Including Students from Slovakia

Table No. 51

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
EM	B, N, P 6208	124	93	4	221
MAR	B 6208	21	-	-	21
FRP	B 6208	5	-	-	5
HPS	B, N 6202	5	13	-	18
VES	B 6202	0	-	-	-
<b>Total</b>		<b>160</b>	<b>99</b>	<b>4</b>	<b>263</b>



Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
EM	B, N, P 6208	201	276	10	487
MAR	B 6208	94	-	-	94
FŘP	B 6208	109	-	-	109
VSSR	B 6202	44	-	-	44
VES	B 6202	-	-	-	-
<b>Total</b>		<b>448</b>	<b>276</b>	<b>10</b>	<b>734</b>

**Notes:**

EM - Economics and Management

FI - Finance

FŘP - Financial Management of Enterprises

HPS - Economic Policy and Administration

MAR - Marketing

MM - Management and Marketing

PE - Enterprise Economics

PI - Industrial Engineering

VES - Public Economics and Administration

VSRR - Public Sector Administration and Regional Development

**Commentary:**

Students received the following awards: the TBU Rector's Award (1), the Tajmac - ZPS Award (1), the Zlín Mayor's Award (1), the Development Foundation and GTS Award (1), and the TBU Trust Award (1).

Bachelor degree diplomas with honours were awarded to 5 students; 9 students received diplomas with recognition. 19 students were rewarded for their outstanding bachelor dissertations.

In master programme, 7 students received a diploma with honours, and 20 students received diplomas with recognition. 23 students were rewarded for their dissertations.

## 11.2.4 | Innovation and Accreditation of FaME Study Programmes; Graduates Success in the Labour Market |

In the course of the year 2005, partial changes to study programmes for the academic year 2005/2006 were discussed at meetings of the Study Programmes Board and the faculty Scientific Board. The finalized version was published in the brochure of Study Programmes 2005/2006 and in electronic form on the faculty web site. The changes aimed at lowering the direct study load and ensuring connections between individual subjects.

**New Bachelor, Master and Doctoral Programmes**

In 2004, the Study Programmes Board discussed and prepared for the meeting of the faculty's Scientific Board the documentation for the accreditation of a study programme Public Sector Administration and Regional Development in a follow-up master programmes N 6202 Economic Policy and Administration in full-time form of study. On 11<sup>th</sup> February 2005, the prepared documentation was discussed by the Scientific Board and in course of the year 2005 forwarded to the Accreditation Committee, which agreed with the accreditation of the programme by the year 2009. During the year 2005, the Study Programmes Board and the Scientific Board discussed the documentation for re-accreditation of the doctoral programme Economics and Management, course in Public Sector Administration and Regional Development. The Accreditation Committee approved prolonging the accreditation for both programmes.

**New trends in the preparation of teachers for all school levels**

In 2005, employees continue in their work on preparation

e-learning education for distance study. In the same year, 10 employees signed for the e-learning course Introduction to Distant Education run by CDV ZČU Plzeň on the portal <http://sparta.zcu.cz>, which they completed successfully. Throughout the year, the development of distance study tools continued, and so did work with virtual educational environment EDEN financed by the Universities Development Fund.

**Evaluation of the Course Offer**

The offer of study courses in combined and full-time study programmes Economics and Management, and Economic Policy and Administration meets the labour market needs in the Zlín region. The study opportunities are widened in cooperation with the Tomas Bata Business Academy and the Higher Professional School of Business in Zlín, which teach some of the bachelor programmes guaranteed by the University. It is one of the few working systems at Czech universities, valued/positively evaluated by both the representatives of the Ministry of Education, Youth and Sports and the Accreditation Committee. In 2005, to widen its offer, the faculty opened further life-long learning courses in both bachelor and master programmes, Economics and Management and Economic Policy and Administration. The lessons take place at FaME and also, in cooperation with the Wide Open School Foundation, in Dubnica nad Váhom, Slovakia. The faculty also participates in national programme of the University of the Third Age.

## 11.2.5 | Research and Development at FaME|

### Focus of R&D Activities

The long-term R&D objectives at FaME comprise the following areas:

- formulation of the theoretical principles and starting-points for the conception of the industrial policy of the future Euro-region in the context of the globalization of the Czech economy,
- development of methodological materials for implementing systems for enterprise processes modernization leading to improving the companies' competitive abilities,
- development of information systems supporting production and operation management, economic analysis, product planning, organisational changes, logistic material flow planning, production planning, work organization and performance measurement, and maintenance of plant and equipment,
- increasing competitiveness of Czech enterprises in the fast developing Asian markets with the use of clusters and technology transfers with specific focus on rubber and plastics industry.

### Focus of R&D Activities at FaME Departments

#### Department of Management

- Human resources management and personnel management
- General marketing and marketing management methodology, specialized marketings and management of advertising
- Legal and environmental aspects of international management

#### Department of Enterprise Economics

- Enterprise economics and management
- Innovation management
- Competitiveness abilities of small and medium-sized enterprises

#### Department of Economics

- Macroeconomic and microeconomic contexts of the globalization process with focus on Asian, particularly Chinese, markets
- Status of Regions within EU
- Theory of Competitiveness

#### Department of Informatics and Statistics

- Information technologies and computer-assisted business activities

- Informational support of marketing management in marketing information systems
- Theory of probability, mathematical and economic statistics, quantification and optimisation methods in business activities

#### Department of Finance and Accounting

- Financial management of enterprises
- Performance of enterprises and cluster initiatives
- Accounting, taxes and controlling
- Capital markets, banking

#### Department of Public Sector and Regional Administration

- Public and regional administration
- Regional economics

#### Department of Production Management - Industrial Engineering

- Operations (production) engineering, production planning and management, logistics with the use of integrated information and management systems
- Performance measurement and operations management, productivity, process improvement
- Total quality management

### International Cooperation in Research and Development

Within the programme AKTION CZECH REPUBLIC - AUSTRIA, a project No. 41p20 entitled "Analysis of success factors in selected Austrian companies operating in CZ and Czech companies operating in Austria, and

attitude to their managers in the host country" was accepted for the period 2005-2006. It is a joint project of Tomas Bata University, the Faculty of Management and Economics, and Fachhochschule St. Pölten in Austria.

### FaME Departments' Participation in Research Plans and Projects

| Table No. 53 |

Provider	Title of the Programme for R&D Support	Number of Projects	Allocated Resources in thousands CZK
GA ČR	Factors influencing the creation of EVA in rubber-making and plastics industry - standard project	1	508
MMR ČR	Transport accessibility and technologies in the context of regional development - research for the benefit of regions	1	700
<b>Total</b>		<b>2</b>	<b>1,208</b>

## 11.2.6 | Graduates from Doctoral Programmes at FaME |

| Table No. 54

Graduate	Dissertation	Supervisor	Defence Date
Ing. Jena Švarcová, Ph.D.	Companies decisions on cooperation and competition	Doc. PhDr. V. Nováček, CSc.	4. 1. 2005
Ing. Boris Popesko, Ph.D.	Applications of process management of expenses in Czech organizations	Doc. Ing. J. Hurta, CSc.	4. 1. 2005
Ing. Hana Krchová, Ph.D.	Primary role of innovations and changes in strengthening the competitiveness of Czech industrial manufacturers	Prof. Ing. F. Kovář, CSc.	28. 6. 2005
Ing. Miroslava Brázdilová, Ph.D.	Usage of competition information for increasing the competitive strength of Czech industrial manufacturers	Doc. Ing. Z. Molnár, CSc.	30. 6. 2005
Ing. Marie Paseková, Ph.D.	Analysis of factors influencing financial management of small and medium-sized enterprises and suggestions for their contribution to improving the efficiency and competitiveness	Prof. Ing. M. Nejezchleba, CSc.	13. 10. 2005
Ing. Eva Hýblová, Ph.D.	Use of accounting information in enterprise management	Prof. Ing. J. Hurta, CSc.	28. 6. 2005
Ing. Radek Benda, Ph.D.	Use of information technologies to support knowledge management	Prof. Ing. Z. Molnár, CSc.	30. 6. 2005
Ing. Pavel Rosman, Ph.D.	Conditions of effective implementation of information and communication technologies into educational process	Prof. Ing. Z. Molnár, CSc.	30. 6. 2005
Ing. Alena Kolčavová, Ph.D.	Current limits and possibilities for exploitation of quantitative methods in practical process making	Prof. Ing. Z. Molnár, CSc.	30. 6. 2005
Ing. Adriana Knápková, Ph.D.	Factors influencing economical added value in plastics industry in the Czech Republic	Doc. Dr. Ing. D. Pavelková	13. 10. 2005

## 11.2.7 | Publication and R&D Activities at FaME |

| Table No. 55

Type	ÚM	ÚPE	ÚIS	ÚE	ÚFÚ	ÚPI	ÚVSRR	ÚTV	Number
Monograph or a chapter in a monograph	4	1	-	-	1	4	-	-	10
Contributions in international scientific journals	2	-	-	-	-	-	3	-	5
Contributions in Czech or Slovak journals	32	15	26	1	7	14	-	-	95
Contributions at international conferences in a foreign language	36	1	11	4	10	3	1	1	67
Contributions at domestic conferences	51	18	41	16	18	56	7	2	209
Other - patents, engineering, artistic and other works	-	-	-	-	-	-	-	-	-
Teaching texts	3	2	4	3	3	3	-	-	18
Dissertations	1	2	4	1	2	-	-	-	10
Habilitation theses	-	-	-	-	1	-	-	-	1
<b>Total</b>	<b>129</b>	<b>39</b>	<b>86</b>	<b>25</b>	<b>42</b>	<b>80</b>	<b>11</b>	<b>3</b>	<b>415</b>

### Notes:

ÚM - Department of Management  
 ÚPE - Department of Enterprise Economics  
 ÚIS - Department of Informatics and Statistics  
 ÚE - Department of Economics  
 ÚFÚ - Department of Finance and Accounting

ÚPI - Department of Production Management  
 - Industrial Engineering  
 ÚVSRR - Department of Public Sector Administration and Regional Development  
 ÚTV - Department of Physical Education

## 11.2.8 International Cooperation at FaME

The Faculty of Management and Economics cooperates with the following organisations, either under bilateral agreements or through programmes TEMPUS, Socrates, Phare and Leonardo da Vinci:

- University of Economics in Bratislava, Centre for further education, Slovak Republic
- Galway-Mayo Institute of Technology, Ireland
- Graduate School of Business Economics, Warsaw, Poland
- St. Etienne School of Management, France
- Troyes School of Management, France
- Halmstad University, Sweden
- HEMES Institute, Liege, Belgium
- Herning Institute of Business Administration and Technology, Denmark
- Zuyd University, Netherlands
- Huddersfield University Business School, Great Britain
- School of Technology and Management of Beja, Portugal
- School of Technology and Management of Felgueiras, Portugal
- University Institute Dom Afonso III, Loulé, Portugal
- International School of Management, Lyon, France
- Laurea Polytechnic, Finland
- University of Bielsko-Biala, Poland
- Riga International School of Economics and Business Administration, Latvia
- Savonia Polytechnic, Finland
- University of Salamanca, Spain
- New University of Lisbon, Portugal
- University of Klagenfurt, Austria
- University of Applied Sciences, St. Pölten, Austria
- University of Applied Sciences, Steyr, Austria
- University of Duisburg-Essen, Germany
- University of Genova, Faculty of Engineering, Italy
- University of Ljubljana, Slovenia
- University of Luton, Luton Business School, Great Britain
- University of Management and Marketing, Sosnowiec, Poland
- University of National and World Economy, Sofia, Bulgaria
- University of Rzeszow, Poland
- University of Southern Denmark, Denmark
- University Transilvania of Brasov, Romania
- Comenius University in Bratislava, Faculty of Management, Slovak Republic
- Veszprém University, Hungary
- Vienna University of Economics and Business Administration, Austria
- University of Zilina, Slovak Republic

The Faculty of Management and Economics participates in the European Socrates/Erasmus Programme, which supports student mobilities at European universities.

Country	Partner Institution	Number of Students
Belgium	Hemes Institute, Liège	3
Finland	Savonia Polytechnic, Vakaus	3
Netherlands	Zuyd University, Sittard, Maastricht	2
Portugal	School of Technology and Management of Beja	2
Austria	University of Applied Sciences, Steyr	2

Country	Partner Institution	Number of Students
Belgium	Hemes Institut, Liège	4
Bulgaria	University of National and World Economy, Sofia	2
Denmark	University of Southern Denmark	2
Finland	Savonia Polytechnic, Varkaus	3
France	Troyes School of Management	5
France	St. Etienne School of Management	4
France	International School of Management, Lyon	3
Italy	University of Genova	2
Germany	University of Duisburg-Essen	2
Netherlands	Zuyd University, Maastricht	2
Netherlands	Zuyd University, Sittard	2
Poland	Graduate School of Business Economics, Warsaw	2
Poland	University of Rzeszow	1
Poland	University of Management and Marketing, Sosnowiec	2
Portugal	School of Technology and Management of Beja	2
Portugal	School of Technology and Management of Felgueiras	2
Portugal	University Institute Dom Afonso III, Loulé	2
Austria	University of Applied Sciences, Steyr	2
Austria	University of Applied Sciences, St. Pölten	2
Slovenia	University of Ljubljana	2

### “Joint degrees” - Study Programmes Taught within the International University Consortium

The TBU Faculty of Management and Economics and the Huddersfield University Business School (HUBS), Great Britain, created a joint bachelor study programme, in which students, after two years of study at

TBU can study the third year at HUBS in Great Britain, where they can complete their studies by taking the bachelor exam and gaining the degree BA (Hons) European Business. Two students completed their studies in this programme in the academic year 2004/2005 and three started studying it in the academic year 2005/2006.

## 11.2.9 | Habilitation and Nomination Proceedings at FaME |

In 2005, documentation for checking the level of habilitation proceedings in economics subjects was prepared and on 11<sup>th</sup> February 2005 it was discussed by the faculty Scientific Board. On 6<sup>th</sup> May 2005, a working group of the Accreditation Committee checked the habilita-

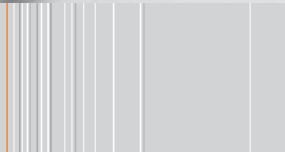
tion procedures from the year 2004, and did not find any serious inadequacy.

For the overview of completed habilitation and nomination procedures at FaME, see Chapter 8.5.

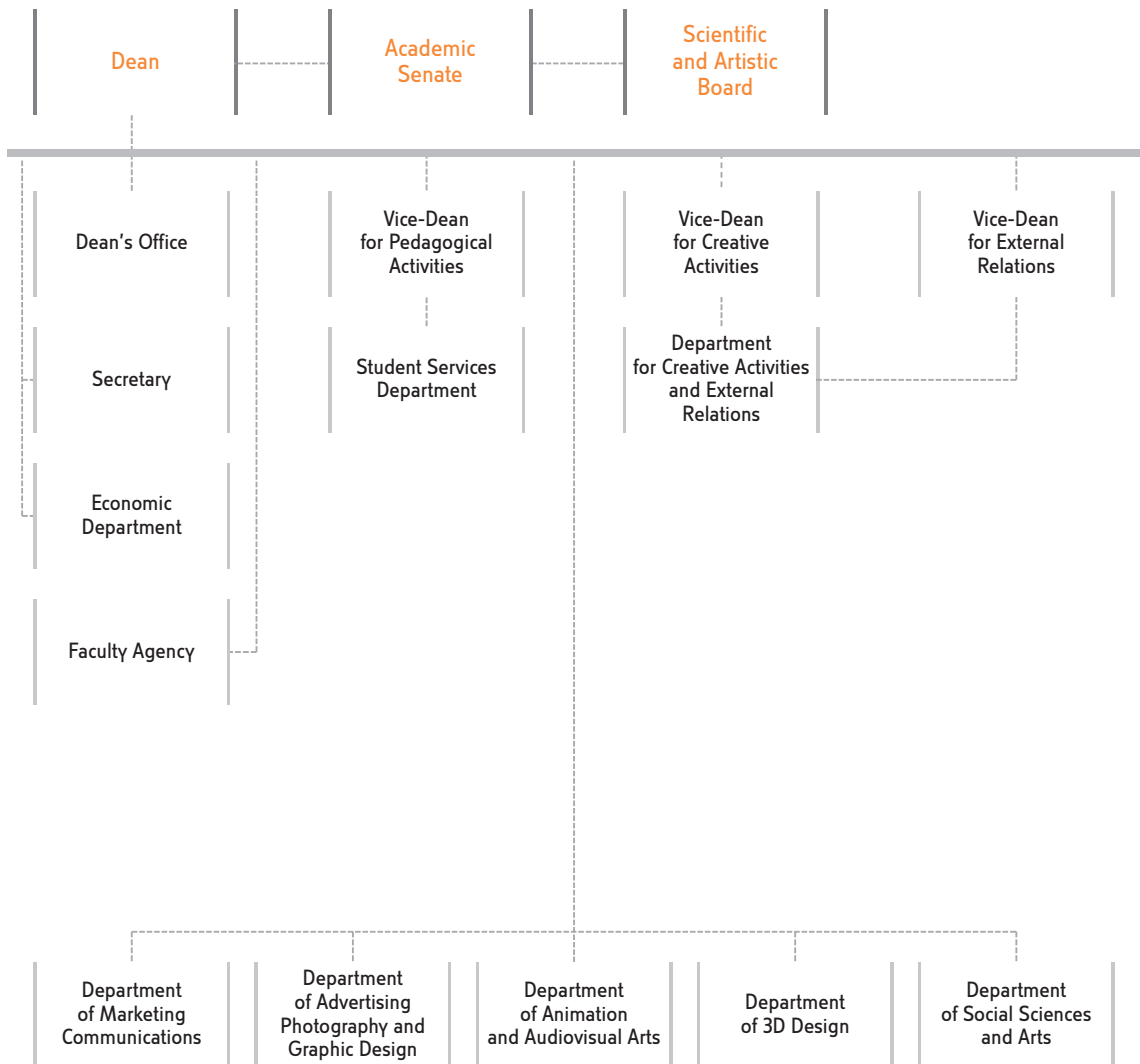


**11.3**

**Faculty of Multimedia Communications**



### 11.3.1 | FMC Organizational Structure |





**Address:**

Tomas Bata University in Zlín  
Faculty of Multimedia Communications  
Štefánikova 2431, 760 02 Zlín  
tel.: +420 576 034 210  
[www.fmk.utb.cz](http://www.fmk.utb.cz)

**Dean**

Prof. Pavel ŠKARKA, MFA *until July 31, 2005*  
Doc. Ing. Jaroslav SVĚTLÍK, Ph.D. *from August 1, 2005*

**Vice-Deans**

*until July 31, 2005*

Ing. Jaroslav SVĚTLÍK, Ph.D. *Vice-Dean for Creative Activities, Statutory Deputy*  
Ondřej PODZIMEK, MFA *Vice-Dean for Pedagogical Activities and External Relations*  
Bořek ZEMAN, MFA *Vice-Dean for Combined Studies*

*from August 1, 2005*

Prof. Pavel ŠKARKA, MFA *Vice-Dean for Combined Studies*  
PhDr. Miroslav ZELINSKÝ, CSc. *Vice-Dean for Pedagogical Activities*  
Ing. Radomila SOUKALOVÁ, Ph.D. *Vice-Dean for Creative Activities*  
Mgr. Silvie TURKOVÁ *Vice-Dean for External Relations*

**Academic Senate**

PhDr. Magda GREGAROVÁ *Chairperson*

**Scientific and Artistic Board**

*until July 31, 2005*

Prof. Pavel ŠKARKA, MFA *Chairperson*

*from August 1, 2005*

Ing. Jaroslav SVĚTLÍK, Ph.D. *Chairperson*

**Secretary**

Ing. Eva ŠVIRÁKOVÁ

**Chairperson of the Study Programmes Board**

*until July 31, 2005*

for Fine Arts

Ondřej PODZIMEK, MFA

for Media and Communications Studies

Ing. Radomila SOUKALOVÁ, Ph.D.

*from 1. 8. 2005*

for Fine Arts

PhDr. Miroslav ZELINSKÝ, CSc.

for Media and Communications Studies

Ing. Olga JURÁŠKOVÁ

*from August 1 until December 31, 2005 Interim Chairperson*

*from September 5, 2005*

## 11.3.2 | FMC Departments |

**Department of Animation and Audiovisual Arts**  
Head: MgA. Jana JANÍKOVÁ, ArtD.

**Department of 3D Design**  
Head: Doc. Jan ZAMAZAL, MFA

**Department of Marketing Communications**  
Head: PhDr. Magda GREGAROVÁ

**Department of Social Sciences and Arts**  
Head: Ing. Mgr. Vlastimil TAŤÁK, DiS

**Department of Advertising Photography and Graphic Design**  
Head: Rostislav ILLÍK, MFA

## 11.3.3 | FMC Study Programmes and Courses |

### Bachelor Programmes

#### B7202 Media and Communications Studies

*Course:*  
Marketing and Social Communications  
full-time and combined studies

#### B8206 Fine Arts

*Course:*  
Multimedia and Design  
full-time and combined studies

### Master Programmes

#### N7202 Media and Communications Studies

*Course:*  
Marketing and Social Communications  
full-time and combined studies

#### N8206 Fine Arts

*Course:*  
Multimedia and Design  
full-time and combined studies

### Study Programmes Taught at the Higher Professional School - Bachelor Programme

#### B8206 Fine Arts

*Course:* Multimedia and Design  
full-time studies  
specialization: Animated Film\*

\* taught at the Film School in Zlín, s. r. o.

### Applicants' Interest in FMC Bachelor Programmes

| Table No. 57

Study Programme	Study Programme Code	Number of				
		Applications Received <sup>1)</sup>	Applicants <sup>2)</sup>	Accepted <sup>3)</sup>	Newly Accepted <sup>4)</sup>	Registered for Study <sup>5)</sup>
Media and Communications Studies	7202	454	454	118	118	113
Fine Arts	8206	709	690	154	154	150
<b>Total</b>		<b>1,163</b>	<b>1,144</b>	<b>272</b>	<b>272</b>	<b>263</b>

### Applicants' Interest in FMC Follow-Up Master Programmes

| Table No. 58

Study Programme	Study Programme Code	Number of				
		Applications Received <sup>1)</sup>	Applicants <sup>2)</sup>	Accepted <sup>3)</sup>	Newly Accepted <sup>4)</sup>	Registered for Study <sup>5)</sup>
Media and Communications Studies	7202	140	140	115	115	90
Fine Arts	8206	49	49	41	41	41
<b>Total</b>		<b>189</b>	<b>189</b>	<b>156</b>	<b>156</b>	<b>131</b>

<sup>1)</sup> Total number of applications received.

<sup>2)</sup> Number of applicants for study. The figures express the number of individuals; the study courses totals include multiple applications (i.e. students applying for more than one course)

<sup>3)</sup> Number of applications responded to positively.

<sup>4)</sup> Number of accepted applicants. The figures express the total number of individuals; the study courses totals include applicants accepted to more than one course.

<sup>5)</sup> Number of accepted students who actually registered to start their studies.

### Number of Students at FMC

| Table No. 59

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
Media and Communications Studies	7202	305	234	0	539
Fine Arts	8206	341	83	0	424
<b>Total</b>		<b>646</b>	<b>317</b>	<b>0</b>	<b>963</b>

### Number of International Students at FMC, Including Students from Slovakia

| Table No. 60

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
Media and Communications Studies	7202	22	13	0	35
Fine Arts	8206	41	1	0	42
<b>Total</b>		<b>63</b>	<b>14</b>	<b>0</b>	<b>77</b>

### Number of Graduates from FMC

| Table No. 61

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
Media and Communications Studies	7202	88	88	0	176
Fine Arts	8206	43	19	0	62
<b>Total</b>		<b>131</b>	<b>107</b>	<b>0</b>	<b>238</b>

#### Commentary:

For outstanding diploma dissertations the following prizes were awarded: TBU Rector's Award (1), Dean's Award (3), the Tajmac-ZPS Award (1), the Tomas Bata Foundation Award (1), and the Department of Marketing Communications Award (8). 34 students completed their studies with honours (19 Bachelor, 15 Masters). The students who graduated with honours make up 15% of all graduates.

## 11.3.4 | Innovation and Accreditation of FMC Study Programmes; Students' Success in the Labour Market |

During August and September, the documentation was prepared for the re-accreditation of programmes Media and Communications Studies and Fine Arts. On 29<sup>th</sup> September, it was approved by the FMC Scientific and Artistic Board, and forwarded to the Accreditation Committee for further proceedings.

## 11.3.5 | Research, Development, and Creative Activities at FMC |

### Research Projects at FMC

| Table No. 62

	Number
Research Plans	0
Grants	0
Universities Development Fund	2
Development Programmes of the Ministry of Education, Youth and Sports	0

## FMC Participation in Projects in 2005

### Universities Development Fund:

Mgr. Štěpán Prachař: Completing the Equipment of the Audiovisual Laboratory

Mgr. Ing. Radim Bačuvčík: Innovation of Study Programmes in Social Sciences and Economics

## 11.3.6 | Publications and Creative Activities at FMC |

| Table No. 63

Type	KAA	KMK	KPD	KFG	KSU	Number
Monograph or a chapter in a monograph	0	4	1	0	3	8
Contributions in international scientific journals	0	1	1	0	0	2
Contributions in Czech and Slovak journals	0	35	3	0	28	66
Contributions at international conferences in a foreign language	0	1	0	0	0	1
Contributions at domestic conferences	0	15	0	0	2	17
Other - patents, engineering, artistic and other works	5	0	7	4	9	25
Teaching texts	1	7	0	1	4	13
Dissertations	0	0	0	0	0	0
Habilitation thesis	0	1	0	0	0	1
<b>Total</b>	<b>6</b>	<b>64</b>	<b>12</b>	<b>5</b>	<b>46</b>	<b>133</b>

### Notes:

KAA - Department of Animation and Audiovisual Arts

KMK - Department of Marketing Communications

KPD - Department of 3D Design

KFG - Department of Advertising Photography and Graphics

KSU - Department of Social Sciences and Arts

## 11.3.7 | International Cooperation at FMC |

Bilateral agreements for the year 2005 were signed with the following universities:

- University of Paderborn, Paderborn, Germany
- Academy of Fine Arts in Catowice, Catowice, Poland
- University of Applied Sciences Dortmund, Dortmund, Germany
- Slovak University of Technology in Bratislava, Bratislava, Slovak Republic

- University of Applied Sciences St. Pölten, St. Pölten, Austria
- Technical University of Kosice, Kosice, Slovak Republic
- Jan Matejko Academy of Fine Arts in Cracow, Cracow, Poland
- University of Algarve, Algarve, Portugal
- University of Lapland, Lapland, Finland

## 11.3.8 | Significant Creative Activities and Student Awards at FMC |

### Specialization in Advertising Photography

Michael Reichstater, Petr Dobiáš and Ondřej Straka won the **2<sup>nd</sup> place in the prestigious photograph** competition “Golf loves Europe - Europe loves Golf” organized by VW Group.

Participation in the photograph exhibition in Paris “**Le Mois de la Photo**” (The Month of Photography) through the Leica Gallery, Prague.

### Department of Animation and Audiovisual Arts

Lukáš Hudec (5<sup>th</sup> year): 1<sup>st</sup> place AERO for a short film - May 2005

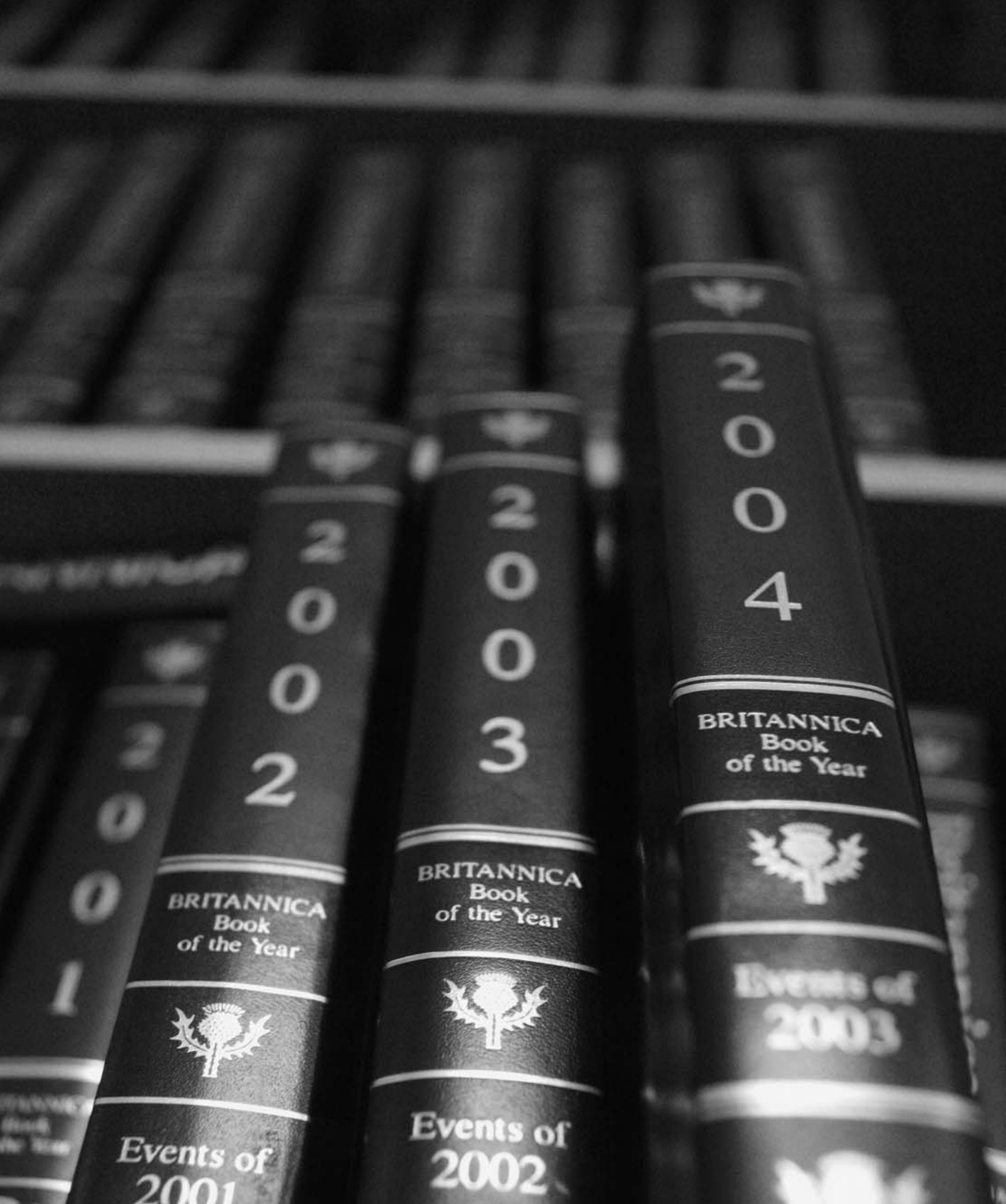
Aleš Výmola (3<sup>rd</sup> year): prize for the best music video “Piglet”, November 2005.

### Department of 3D Design

Radka Janušková: prize in the competition “Czech Chair”.

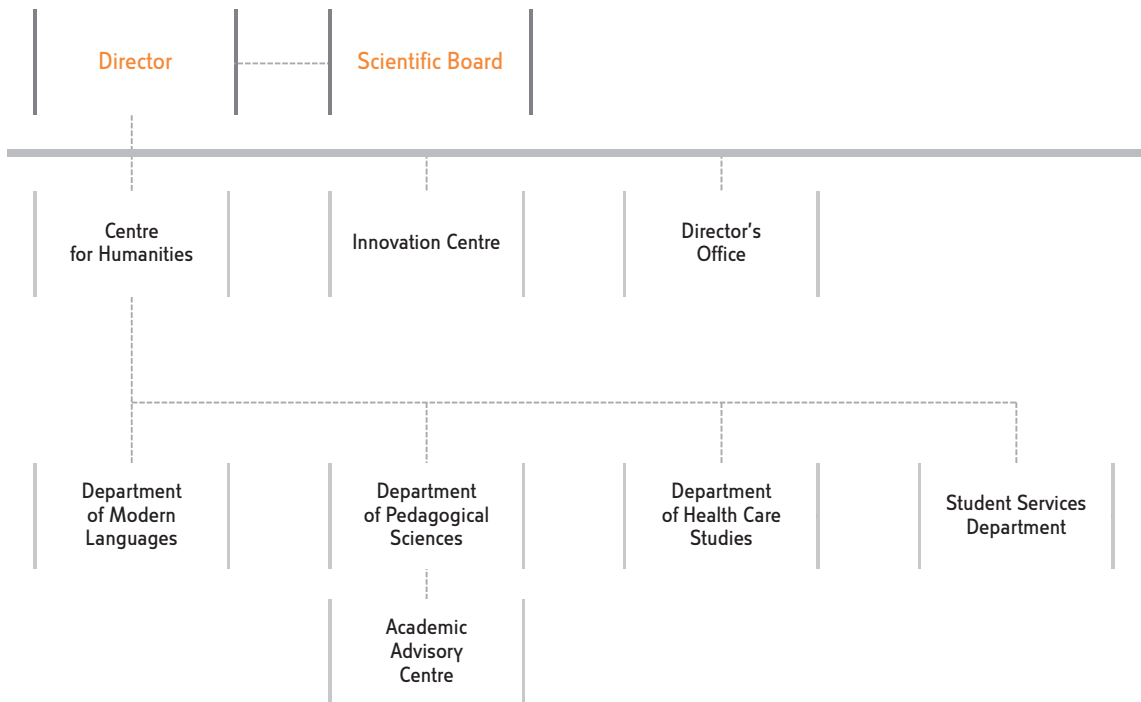
Michal Vlček: 1<sup>st</sup> place in the international competition “Design Peugeot 2005” in CZ.

David Schaumann: 3<sup>rd</sup> place in the competition “ETA-VIZE 2005”.



## 11.4 University Institute

## 11.4.1 | UNI Organizational Structure |



**Address:**

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University Institute  
Mostní 5139, 760 01 Zlín  
tel.: +420 576 037 315  
[www.uni.utb.cz](http://www.uni.utb.cz)

**Director**

Ing. Jitka CHUDAROVÁ

**Director of the Centre for Humanities**

Prof. PhDr. Vlastimil ŠVEC, CSc.

**Deputy for Pedagogical Activities**

Ing. Anežka LENGÁLOVÁ, Ph.D.

**Deputy for Creative Activities**

Mgr. Štefan CHUDÝ

**Scientific Board**

Ing. Jitka CHUDAROVÁ

*Chairperson*

**Secretary**

Ing. Jitka CHUDAROVÁ

**Study Programmes Board**

Prof. PhDr. Vlastimil ŠVEC, CSc.

*Chairperson*



## 11.4.2 | UNI Departments and Units |

### Department of Modern Languages

Head: Mgr. Věra KOZÁKOVÁ, Ph.D.

### Department of Pedagogical Sciences

Head: PhDr. et. Mgr. Ivo SVOBODA

until February 28, 2005

Interim Head: Ing. Alica KAVANOVÁ

from March 1, 2005

### Department of Health Care Studies

Head: Doc. MUDr. Zbyněk KALITA, CSc.

### Innovation Centre

Head Project Manager: Mgr. Daniela SOBIESKÁ

until June 30, 2005

Head: Ing. Jindřiška ONDRÁČKOVÁ

from November 10, 2005

## 11.4.3 | Study Programmes Taught at TBU with Participation of UNI |

### Bachelor Programmes

#### B 7501 Pedagogy

Course

Social Pedagogy

full-time and combined studies

Study programme in combined form of study is taught on the basis of a joint accreditation of TBU in Zlín and the Institute of Intercultural Studies in Brno.

#### B 7507 Specialization in Pedagogy

Course

Teaching Specialized Subjects at Secondary Schools

full-time and combined studies

#### B 5341 Health Care

Course

General Nursing

Midwifery

full-time studies

This study programme is run on the basis of a joint accreditation of TBU in Zlín and the Higher School of Health Care in Zlín.

#### B 7310 Philology

Course

English for Business Administration

full-time studies

### Applicants' Interest in Programmes Taught at TBU with the Participation of UNI

| Table No. 64

Study Programme	Study Programme Code	Number				
		Applicants Received <sup>1)</sup>	Applicants <sup>2)</sup>	Accepted <sup>3)</sup>	Newly Accepted <sup>4)</sup>	Registered <sup>5)</sup>
Pedagogy	B 7501	2,060	2,060	557	557	491
Specialization in Pedagogy	B 7507	51	51	49	49	39
Nursing	B 5341	483	483	139	139	100
Philology	B 7310	212	212	100	100	80
<b>Total</b>		<b>2,806</b>	<b>2,806</b>	<b>845</b>	<b>845</b>	<b>710</b>

<sup>1)</sup> Total number of applications received.

<sup>2)</sup> Number of applicants for study. The figures express the number of individuals; the study courses totals include multiple applications (i.e. students applying for more than one course)

<sup>3)</sup> Number of applications responded to positively.

<sup>4)</sup> Number of accepted applicants. The figures express the total number of individuals; the study courses totals include applicants accepted to more than one course.

<sup>5)</sup> Number of accepted students who actually registered to start their studies.

### Number of Students in Programmes Taught at TBU with the Participation of UNI

| Table No. 65

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
Pedagogy	B 7501	1,538	0	0	1,538
Specialization in Pedagogy	B 7507	100	0	0	100
Health Care	B 5341	152	0	0	152
Philology	B 7310	75	0	0	75
<b>Total</b>		<b>1,865</b>	<b>0</b>	<b>0</b>	<b>1,865</b>

## Number of International Students, Including Students from Slovakia, in Programmes Taught at TBU with the Participation of UNI

Table No. 66

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
Pedagogy	B 7501	3	0	0	3
Specialization in Pedagogy	B 7507	2	0	0	2
Health Care	B 5341	0	0	0	0
Philology	B 7310	2	0	0	2
<b>Total</b>		<b>7</b>	<b>0</b>	<b>0</b>	<b>7</b>

## Numbers of Graduates from Programmes Taught at TBU with the Participation of UNI

Table No. 67

Study Programme	Study Programme Code	Study Programme			Students Total
		Bachelor	Master	Doctoral	
Pedagogy	B 7501	100	0	0	100
Specialization in Pedagogy	B 7507	0	0	0	0
Health Care	B 5341	0	0	0	0
Philology	B 7310	0	0	0	0
<b>Total</b>		<b>100</b>	<b>0</b>	<b>0</b>	<b>100</b>

### 11.4.4 | Innovation and Accreditation of Study Programmes at UNI, Graduates Success in the Labour Market |

All study programmes taught in the year 2005 at TBU are for a bachelor degree and last for three years. In course of the year, a master programme in Specialization in Pedagogy, with a course in Social Pedagogy, was

accredited in cooperation with the Institute for Interdisciplinary Studies in Brno. The course will be first open for students in the academic year 2006/2007.

### 11.4.5 | Research and Development at UNI |

#### Focus of R&D Activities

- research of implicit pedagogic knowledge,
- research of pathologic phenomena in society, their prevention at school and in a family,
- research of pedagogical skills development,
- research of adaptability of the Academic Advisory Centre in the TBU structure,
- cultural studies,
- applied linguistics,
- comparative lexicology,

- application of knowledge from clinical research in nursing.

In the course of the year 2005, significant results were achieved in qualitative research in both the pedagogical sciences (especially in the field of pedagogical knowledge, solution of educational situations in school environment, in the field of curriculum and subject didactics and their practical application) and in linguistics. It is also very satisfactory to see the TBU Academic Advisory Centre in full operation.

#### Focus of Research and Development at UNI Departments and Workplaces

##### Department of Pedagogical Sciences

- Implicit pedagogical knowledge and possibilities of self-regulation in their creation and development.
- Educational Situations – basic determinants of creation, diagnostics by the teacher and possibilities for solution in school practice.
- Influence of meta-cognitive strategies on the development of self-regulatory skills in pupils.
- Influence of the curriculum reform on the development of subject didactics.
- Social and educational aspects of helping professions.

- Basic dimension of competences of a specialist in social pedagogy.

##### Department of Modern Languages

- Cultural studies on the relations between the Czech Republic and selected countries.
- Cognitive linguistics.
- Sociological, linguistic and methodological aspects of multicultural society.
- New trends in foreign language communication with special view to lexicology.
- Comparative lexicology - specialized terminology in technical fields.

### Department of Health Care Studies

- Study of the medical state of the population.
- Treatments and health care for breast cancer.
- New approaches in treating brain haemorrhage.
- Issues of geriatrics.

### International Cooperation in Research and Development

#### The University Institute cooperates with the following international institutions:

St. Pölten University of Applied Sciences, St. Pölten, Austria  
Steyr School of Management, University of Applied Sciences, Steyr, Austria

### Innovation Centre (IC)

#### Project Activities:

- Regional Innovation Strategy for the Zlín Region
- Projects in the sphere of education supported from public resources

#### Economic Relations:

- Protection of mental property at TBU
- Czech-Asian relations
- Cooperation with companies and institutions
- Information service on research capacities at TBU

#### Applied and Industrial Research:

- Materials for health care
- Materials for food industry

- Aspects influencing the success of infertility treatment.
- Professional responsibility of future nurses.
- Application of knowledge from surgery research in teaching students of the programme in Nursing.

National Taras Shevchenko University of Kiev, Ukraine, Comenius University in Martin, Slovakia, Constantine the Philosopher University in Nitra, Slovakia.

#### Projects of the Innovation Centre in the year 2005:

- Regional Innovation Strategy for the Zlín Region
- Development of business environment and support of lifelong learning through four-module education at TBU in Zlín
- Development of project management through module education of TBU students and employees
- Programme for further education of health care workers – special training for practice supervisors for programmes General Nursing and Midwifery
- Educational programme Financial Risks Management
- Preparation of the project for the Scientific and technological equipment and the Centre for technological transfer at TBU in Zlín.

### UNI Participation in Projects Supported from Specific Resources

Content dimension of elementary school curriculum, GAČR. Researcher – Prof. PhDr. Josef Maňák, CSc., PdF MU in Brno, Fellow-researcher – Prof. PhDr. Vlastimil Švec, CSc.

Constructivism and its application in integrated education in natural sciences, GAČR.

Researcher – Prof. Dr. Danuše Nezvalová, CSc., PŘF UP in Olomouc, Fellow-researcher: Prof. PhDr. Vlastimil Švec, CSc.

Laboratory of the Institute for research and study of author acting, GAČR. Researcher: Prof. Ivan Vyskočil, DAMU Praha, Fellow-researcher: Prof. PhDr. Vlastimil Švec, CSc.

New approach in teaching the Introduction to Pedagogical Thinking, FRVŠ. Researcher: Mgr. Štefan Chudý, Ph.D., Fellow-researcher: Prof. PhDr. Vlastimil Švec, CSc. Innovation of teaching practice for students of teaching specialized subjects, FRVŠ. Researcher: Prof. PhDr. Vlastimil Švec, CSc., Fellow-researcher: Mgr. Štefan Chudý, Ph.D.

Improving the quality of bachelor study programmes, their study in combined form, and lifelong learning at TBU by supporting foreign language studies in the digital computer laboratory, FRVŠ. Researcher: Mgr. Lud-

mila Kolářová, Fellow-researcher : Mgr. Věra Kozáková, Ph.D.

Multi-purpose digital multimedia computer laboratory for teaching foreign languages and specialized subjects at TBU in Zlín, FRVŠ. Head researcher: Doc. RNDr. Jiří Dostál, CSc. (Faculty of Technology TBU), Fellow-researcher: Mgr. Ludmila Kolářová.

Analysis of success factors in performance of selected Austrian companies in the Czech Republic and Czech companies in Austria and perception of their managers in the host country, AKTION Czech Republic – Austria. Researcher: Ing. Vratislav Kozák, Ph.D., Fellow-researcher: Mgr. Věra Kozáková, Ph.D.

Communication in the Intercultural New Europe. Learning Modules for Higher Staff i.c. Engineers (COM-I-N-EUROPE), Leonardo da Vinci. Researcher: Mgr. Ludmila Kolářová, Fellow-researcher: Mgr. Helena Janasová, Mgr. Vlasta Vaculíková, Mgr. Petr Daniel Hajkr.

European Resources for Intercultural Communication Socrates/Erasmus Project. Socrates-Erasmus: ERIC. Researcher: Prof. Ing. Vladimír Bobál, CSc. (Faculty of Technology TBU), Fellow-researcher: Andras Chernel, DMS; Dip. Hotel Admin.

Provider/Type of the Project	Number of Projects	Allocated Resources in thousands CZK
Grant Agency CZ		
Resources provided to researchers	0	0
Resources provided to fellow-researchers	3	330
Universities Development Fund		
Resources provided to researchers	3	475

## 11.4.6 | Publications and Creative Activities at UNI |

Category	ÚJ	ÚPV	ÚZS	Number
Monograph or a chapter in a monograph	2	3	1	6
Contributions in international journals	5	1	1	7
Contributions in Czech and Slovak journals	2	8	6	16
Contributions at international conferences in a foreign language	6	4	4	14
Contributions at domestic conferences	7	10	5	22
Other - patents, engineering, artistic and other works	0	0	0	0
Teaching texts	2	9	0	11
Dissertations	0	1	0	1
Habilitation thesis	1	0	0	1
<b>Total</b>	<b>25</b>	<b>36</b>	<b>17</b>	<b>78</b>

### Notes:

- ÚJ - Department of Modern Languages
- ÚPV - Department of Pedagogical Sciences
- ÚZS - Department of Health Care Studies

### Comment:

The publication activities of some of the academic employees are registered at other TBU faculties, where they cooperate.

## 11.4.7 | International Cooperation at UNI |

### Within the framework of the Socrates/Erasmus programme, UNI signed bilateral agreements with:

Haute Ecole HEMES, Liège, Belgium,  
St. Pölten University of Applied Sciences, St. Pölten, Austria,  
University of Rzeszow, Poland,

University of Ljubljana, Slovenia,  
Constantine the Philosopher University in Nitra, Slovakia.

Cooperation of UNI within the framework of the Socrates/Erasmus programme is also described in Chapter 10, International Cooperation.



**Halls of Residence and Refectories**

**11.5**

**Address:**

Tomas Bata University in Zlín  
Halls of Residence and Refectories  
Štefánikova 150, 760 01 Zlín  
tel. +420 576 036 111  
<http://www.kmz.utb.cz>

**Director:**

Ing. Josef ZELA

**Operational Units:**

Building U6 Halls of Residence, Štefánikova 150  
Building U7 Halls of Residence, Antonínova 4379  
Building U11 Halls of Residence, Nad Ovčírnou 3685  
Building U12 Halls of Residence,  
nám. T. G. Masaryka 3050

Building U13 accommodation facility,  
Křiby 4885 (rented)  
Building U43 Refectory, Štefánikova 2431  
Building U5 Refectory, Nad Stráněmi 4511

**Rented Facilities:**

Accommodation Facility Chmelník 1131  
Accommodation Facility nám. T. G. Masaryka 1281

**Serviced Provided:**

- student accommodation in the Halls of Residence,
- catering for TBU students,
- catering for TBU employees,
- catering for other organizations,
- additional activity: holiday and seasonal accommodation.

## 11.5.1 | Student Accommodation |

The student accommodation capacity at the beginning of the academic year 2005/2006 was 960 beds, out of which 668 beds at the TBU Halls of Residence (buildings U6, U7, and U12), 252 beds in the accommodation facilities in Jižní Svahy - Křiby (building U13) and Malenovice-Chmelník, owned by the Pozemní stavitelství a. s., Zlín. 40 beds for foreign students were provided by the company MSI, s.r.o. in the facility in the square T. G. Masaryka 1218.

The total number of submitted applications for accommodation was 1,762; out of which 730 were from the first-year students, and 1,032 from students of other years. 870 applicants for accommodation in the end did not use the services of Halls of Residence and Refectories.

The number of students interested in accommodation prior to the beginning of the academic year 2005/2006 was, in comparison with the previous year by 202 applicants higher (as of 1<sup>st</sup> September 2005, 1,682 accommodation applications were handed in).

In the year 2005, the revenue from student accommodation were CZK 11,146,055.

**Additional Activity**

Between July and September 2005, accommodation was provided to 711 people as a part of the additional activities Halls of Residence and Refectories.

## 11.5.2 | Student Catering Services |

The total number of meals issued in 2005 (counted in main meals) was 259,986, out of which 192,217 meals were served to students (compared to 230,823 meals served to students in 2004).

The revenues from catering services in the University Refectories were CZK 6,731,919, out of which CZK 4,874,902 were from meals served to students (excluding the subsidy from the Ministry of Education, Youth and Sports.)

# Tomas Bata University



Academia Centre

**11.6**



**Address:**

Tomas Bata University in Zlín  
 Academia Centre  
 Mostní 5139, 760 01 Zlín  
 tel.: +420 576 032 206  
[www.utb.cz/Kongresové centrum](http://www.utb.cz/Kongresové centrum)

**Head**

Jitka GRULICHOVÁ

**Congresses**

Altogether, from 1<sup>st</sup> January to 31<sup>st</sup> December 2005, 164 events for external clients took place on the premises of the Academia Centre. These included mainly workshops, trainings, lectures, company presentations, general meetings, conferences, congresses, colloquia, etc. The complete list of all mentioned events is available from the Academia Centre archive. The economic results of its commercial activities is included in the Economic Annual Report for 2005.

Furthermore, 109 events that took place in the Academia Centre were organized for individual faculties and University units, such as, graduation ceremonies, festive assemblies, immatriculations, discussion meetings, conferences, lectures, meetings, sittings of the Board of Governors and the Scientific Board, tuition, oral exams, written tests, etc.

**Publishing activities** are significant contribution for students in all forms of study. In 2005, 130 titles were published including 16 proceedings and 27 dissertations and habilitation theses.

Teaching texts for faculties:

Faculty of Technology	26 titles
Faculty of Management and Economics	30 titles
Faculty of Multimedia Communications	19 titles
University Institute	12 titles
Total income from the sales of teaching texts in 2005 was 1,532,965 CZK.	

In the University shop it is also possible to buy TBU souvenirs and also books related to Bata.

**Important International Conferences with the Participation of TBU Faculties, Institutes and other Units**

TBU Rectorate

- UNIAD - British-Czech-Slovak workshop for University Administration Employees

Faculty of Management and Economics

- The Internet and the Competitiveness of Enterprises
- World of Information Systems
- Finances and Accounting in Science, Teaching and Practise
- 1<sup>st</sup> International Bata's Conference for Ph.D. students
- Tomas Bata's Creative Legacy and Current Entrepreneurial Methods
- Performance of Rubber Industry Enterprises and Cluster Initiatives in the Region
- Microsoft Academic Road Show
- National Meeting of Departments of Industrial Engineering
- Database World 2005

University Institute, Department of Health Care Studies

- International Diagnostics and Therapy for Stomach Cancer

Central Library

- 8<sup>th</sup> Meeting of T Series Users

Academia Centre

- International Conference DIAGON 2005

**Important Events Organized by TBU; Cooperation with the Municipal Authorities**

- Festive gathering of TBU employees and students on the occasion of the 4<sup>th</sup> anniversary of the foundation of TBU
- Meetings of Scientific Boards and the Board of Governors
- 5<sup>th</sup> TBU Gala Ball
- Festive gathering on the 10<sup>th</sup> anniversary of the foundation of FaME
- Project SALVATOR 2005
- Discussion meeting between students and Mr. Tomas Bata Jr.
- IAESTE - Job Opportunities Fair
- Visit by the President of the Czech Republic, V. Klaus
- 45<sup>th</sup> International Film Festival for Children and Youth - co-organized by TBU
- Lecture by Vladimír Železný "12 rules for EU enterprise project evaluation"
- New trends in rheology - micro-workshop
- Graduation Ceremonies
- AIESEC - Global village project - meeting of international students
- International Amateur Film Festival
- Conference "Regional Innovation Strategies for the Zlín Region"
- Student Film Festival Zlín 2005
- Presentation of the American Ambassador "Study, work and travel in the U.S.A."
- Meeting with the Euro Commissioner Vladimír Špidla
- Meeting with the ex-Prime Minister Miloš Zeman

**Important Commercial Events**

- Conference of the Czech and Slovak Association for Modern Agriculture
- Veterinary Surgery Congress
- PLASTKO 2005
- Workshops of the Czech Pharmaceutical Association
- Development in pedagogical and school psychology
- Zlín dental 2005
- Courses by the Czech Medical Association
- 10<sup>th</sup> Gerontology and Geriatrics Congress
- Progress in pharmacotherapy 2005
- 8<sup>th</sup> Czech and Slovak Osteology Congress
- Czech Association of Veterinarians
- Urogyneacology Congress
- Chamber of Commerce workshops and lectures
- Regional Authorities workshops and trainings
- International Cambridge exams
- Concerts, theatre performances, entertaining programmes for both children and adults
- Concert of the North Czech Philharmonic and Pavel Šporcl
- Christmas concert of the Dvořák choir



## 12.1.1 | Significant Conferences, Colloquia and Workshops at FT |

| Table No. 70 |

Conferences	Dates	Organizer
PLASTKO 2005	27.-28. 4. 2005	Dept. of Polymer Engineering
IZC 2005 - IV. International Conference	24.-25. 5. 2005	Dept. of Production Engineering
IRS 2005 - X. International Conference	6.-7. 9. 2005	Dept. of Production Engineering
Student scientifics conference in Chemistry and Technology, and Computer Technology and its Technical Applications		
LEATHER, FOOT & SHOES - 2 <sup>nd</sup> International Student Conference	24.-25. 10. 2005	Dept. of Footwear Engineering and Hygiene

Workshops and Colloquia	Dates	Organizer
NEW TRENDS IN RHEOLOGY - micro-workshop focused on new knowledge of flow behaviour of composite materials	9.-10. 6. 2005	Polymer Centre
SEKEL 2005 - International Expert Colloquium	14.-16. 9. 2005	Institute of Process Control and Applied Informatics

### Other activities

FT co-organized the regional rounds of the Biology Olympics (23. 3. 2005 and 14. 4. 2005), and the Chemistry Olympics (29. 4. 2005 and 19. 12. 2005).

Prof. Ing. Lubomír Lapčík, DrSc., received an honorary degree “Dr.Hon.” for his significant contribution to the knowledge of matter transport processes in polymer systems, for creating the first Czechoslovak school of engineering printing, his remarkable industrial projects, and the renewal of the activities of the Faculty of Chemistry at VUT in Brno.

The Japanese company Shimatzu awarded the Certificate of Appreciation to Prof. Ing. Lubomír Lapčík, DrSc., for cooperation in science and contribution to the development of instrumentation.

The American Biographic Institute appointed Prof. Ing. Lubomír Lapčík, Ph.D., an honorary member of its advisory board.

Doc. Ing. Petr Hlaváček, CSc., received a prestigious Scientific Award by U.I.T.I.C. for his footwear research.

## 12.1.2 | Significant Conferences and Colloquia at FaME |

| Table No. 71 |

Conference	Dates	Organizer
The Internet and Competitiveness of Enterprises - 8 <sup>th</sup> conference	16. 3. 2005	Department of Informatics and Statistics
World of Information Systems - international conference	4.-5. 4. 2005	Department of Production Management - Industrial Engineering, CVIS
Finances and Accounting in Science, Teaching and Practise - 2 <sup>nd</sup> conference	28.-29. 4. 2005	Department of Finance and Accounting
Tomas Bata's Creative Legacy and Current Entrepreneurial Methods - international conference	19.-20. 5. 2005	Department of Production Management - Industrial Engineering, Department of Management, Department of Enterprise Economics
International Bata's Conference for Ph.D. Students - 1 <sup>st</sup> conference	21. 4. 2005	Department of Management
Meeting of the Departments of Industrial Engineering - colloquium	24.-25. 11. 2005	Department of Production Management - Production Engineering
Database World 2005 - expert colloquium	1. 12. 2005	Department of Production Management - Industrial Engineering, CVIS

## 12.1.3 | Significant Conferences and Lectures at FMC |

| Table No. 72

Conferences	Date	Guarantee
Project Teaching	1. 12. 2005	Ing. Eva Šviráková, Bc. Alexandr Kalmus

Lectures	Date	Guarantee
Workshop - Lecture on Intercultural Communication in English	12. 10. 2005	Matthew Hill - Sietar UK, London

**Exhibition "Communication"** - an exhibition of works by FMC students presented in the Town Theatre from 22<sup>nd</sup> to 28<sup>th</sup> January 2005.

### Workshop series (February 2005-May 2005)

**The workshops were attended by:** **Tomáš Kopečný** - Creative Director of the multinational agency Publicis Prague, **Radek Krásný** - Media Director of the Oscar company, **Robert Peňažka** - Director of the communications agency Kaspén, **Robin Lewis** - Account Executive, Česká spořitelna marketing and marketing consultancy, **David Dušek** - advertisement and marketing consultancy, high-class lobbying and PR, **Robert Chvátal** - Director of T-Mobile Slovakia, **Michal Donath** - co-owner of the PR agency Donath - Burston - Marstellers, **Jan Vávra** - Director of the agency Studio Beam.

**Miss Academia - 6. 4. 2005** - MISS ACADEMIA - a contest for the „top“ female university student in the Czech Republic.

**Literary May - 24. 5-27. 5. 2005** - meeting between the public and prominent writers from the Czech Republic and Slovakia at several places within the Zlín region.

### Student Film Festival - 21. 11.-24. 11. 2005

The Student Film Festival presents works of students from various universities and colleges where audio-vision is taught. The festival aims to enable new contacts and exchange of experience. It serves to introduce not only animated and audiovisual work, but also other courses taught at FMC (Advertising Photography, Graphic Design, Industrial Design, 3D Design, and Footwear and Fashion Design).

## 12.1.4 | Significant Colloquia and Workshops Organized or Co-organized by UNI |

| Table No. 73

Colloquia	Dates	Organizer - guarantee
Social pedagogy in theory and practise - expert colloquium	21. 4. 2005	Institute of Interdisciplinary Studies, Brno, TBU University Institute
Final workshop and presentation of the results of the international project COM-I-IN-EUROPE. Intercultural communication for managers and technicians, including the demonstration of the interactive English and German teaching CD-ROM	8. 9. 2005	Mgr. L. Kolářová, Mgr. V. Vaculíková, Mgr. P. D. Hajkr, Department of Modern Languages in cooperation with the Chamber of Commerce in Zlín
International colloquium for secondary school and university teachers of foreign languages "Dialogue with a foreign language text and intercultural communication" European languages today. Training of foreign languages teachers University teacher training for non-philologists	14. 9. 2005	Mgr. Věra Kozáková, Ph.D. in cooperation with FF OU in Ostrava Doc. PhDr. Květuše Lepilová, CSc.
Efficiency of enterprise in rubber industry and cluster activities in the region	15. 9. 2005	Doc. Dr. Ing. Drahomíra Pavelková (FaME, TBU), Mgr. Daniela Sobieská (TIC, s. r. o.), Ing. Romana Vítková, Ph.D. (IC, UNI, TBU)
Discussion of the preparation of social teachers and managers	2. 11. 2005	prof. PhDr. Vlastimil Švec

Workshops	Dates	Organizer
Personality and Socialization in the European community - international workshop	22.-23. 9. 2005	Institute of Interdisciplinary Studies, TBU University Institute

## 12.2 | Other Non-Pedagogical Activities at TBU |

Apart from its main educational and research activities, the University organizes numerous events, such as Open Door Days, festive gatherings of TBU students and employees, lectures and discussion meetings with prominent visitors, and various cultural events.

In March 2005, the fifth University Gala Ball took place.

In December 2005, the 82<sup>nd</sup> meeting of the general assembly of the Czech Conference of Rectors took place at TBU.

Further non-pedagogical activities are mentioned in Chapter 11.6 (Academia Centre) and in Chapter 13.6 (Sport, Artistic, and Other Student Activities).



## 13.1 | Changes in Accommodation in Connection with the Changes in Funding |

As of 1<sup>st</sup> January 2005, the Ministry of Education, Youth and Sports cancelled direct subsidies for beds at university halls of residence. At the same time, students who meet the set requirements are now entitled to receive an accommodation scholarship. Students can decide themselves about how to use this scholarship. Consequently, the Halls of Residence and Refectories had to increase the accommodation fees. The increase corresponds with the amount formerly provided by the subsidies (in 2004: 952 CZK/bed/month) and is higher than the amount students receive in the form of accommodation scholarship.

The fee for student accommodation at the TBU Halls of Residence is defined as non-profit, and should only cover the operation costs and administrative expenses. The fee for accommodation in the rented facilities is stated in the contract signed by TBU and the accommodation provider (Halls of Residence and Refectories ensure the administration and financial services, such as accommodation fee payment, laundry, etc.) The mentioned changes made it easier for students to seek accommodation in the private sector and, on the other hand, made the accommodation at the Halls of Residence more expensive.

### Student Accommodation in the Academic Year 2005/2006

The number of applications for accommodation as of 1<sup>st</sup> September 2005 was by 202 higher than in the year 2004. However, 230 students did not take up their places at the Halls of Residence, when the accommodation period started in the days 13<sup>th</sup>–16<sup>th</sup> September 2005. This was partially caused by the belated completion of the reconstruction of a part of the Halls of Residence T. G. Masaryka, where students were allocated their places at the last minute.

In the course of the academic year the Halls of Residence gradually filled up.

Some of the main advantages of the accommodation at the Halls of Residence:

- students' access to the high-quality internet connection,
- access to the internet study rooms,
- life in a community with other students, which brings advantages in terms of both study and social life.

The experience from the first accommodation allocation after the change of funding will be used for preparation of accommodation allocation and its rules for the academic year 2006/2007.

### Accommodation and Catering Capacities at TBU as of 31<sup>st</sup> December 2005

| Table No. 74

Total bed capacity of TBU Halls of Residence	1,089		
Bed capacity for student accommodation	1,048		
Bed capacity for employee accommodation	33		
Bed capacity for occasional TBU guest accom.	8		
Bed capacity in rented facilities	272		
Number of accommodation applications in the respective academic year	1,762		
Number of approved accommodation applications as of 31 <sup>st</sup> December 2005	1,762		

Accommodation Rates (CZK per moth)	Students	Employees	Others
A - single room with joint facilities	2,040/bed	2,562/bed	9,585
B - multi-bed rooms	1,820/bed	2,562/bed	5,250
C - others			

Main Meal Price (CZK per 1 Meal)	Students	Employees	Others
	32	32	64.50

Total Number of Main Meals Issued in the Relevant Academic Year (1. 9. 2004-31. 8. 2005)	Students	Employees	Others
<b>Total</b>	217,576	48,998	17,165
Lunches	142,729	46,213	14,940
A la minute meals	54,283	2,554	1,881
Dinners	20,564	231	344



## 13.2 | Accommodation Facilities |

| Table No. 75

Name and Address	Bed Capacity for Student Accommodation
<b>University Facility</b>	
Halls of Residence Štefánikova 150	196
Halls of Residence Antonínova 4379	328
Halls of Residence nám. T. G. Masaryka 3050	334
<b>Rented Facilities</b>	
Halls of Residence Kříby 4885 (Halls of Residence Regulations in operation)	190
Chmelník 1131	62
T. G. Masaryka 1281	20
<b>Total</b>	<b>1,130</b>

## 13.3 | Catering Facilities |

| Table No. 76

Name	Maximum Daily Meal Production (Serving Capacity)
Refectory U4, ul. Štefánikova	1,700
Refectory U5, Jižní Svahy	500

### Catering in the Year 2005

| Table No. 77

Total Number of the Issued Main Meals		Total Revenues from Meal Vouchers in Thousands CZK		Total Non-investment Operating Expenses for the Refectory
Total	Students	Total	Students	
1	2	3	4	5
259,986	192,217	6,732	4,875	15,025

MŠMT Subsidy in Thousands CZK	Other Subsidies and Contributions in Thousands CZK	Additional Activities in Thousands CZK	Average Non-investment Expenses per One Meal in CZK
6	7	8	9
4,259	1	601	57.79

#### Notes:

3 – revenues from catering for students, employees and external customers, excluding the sales at snack counters in refectories

5 – non-investment expenses on catering for students, employees and external customers

7 – use of the subsidy on catering for international students

8 – economic result from additional activities of refectories Štefánikova and Nad Stráněmi

#### Commentary:

The total non-investment operating expenses of refectories are covered by the revenues from meal vouchers, subsidies from the Ministry of Education, Youth and Sports, revenues from the depreciation of property paid from governmental subsidies (in 2005: 1,427,000 CZK) and the contribution for catering for employees of individual university components (in 2005: 1,624,000 CZK).

## 13.4 | Scholarships |

Within the framework of student care, superior achievement, doctoral, extraordinary and accommodation scholarships were awarded at TBU in 2005. The conditions for receiving the scholarship are stated in the TBU Scholarship Regulations. Scholarships

for superior achievement were in 2005 paid out in lump-sum in June and December to 237 students. Need-based scholarships were awarded to 180 students, and 2,087 students received accommodation scholarship.

## 13.5 | Information and Advisory Services |

The concept of the future development of the information and advisory services at TBU is set out in the TBU Long-term Aims and Objectives for the period 2001-2005. The information and advisory services are provided at two levels – for faculties and for the whole university. The information and advisory services at faculty level are provided at individual faculty workplaces and are aimed particularly at the faculty students. The intranet and close-circuit TV are important tools for these services. Faculties also create necessary conditions for work of student organizations IAESTE, AIESEC and Student Union. The representatives of the Student Union participate in meetings of the faculty management.

Whole-university information and advisory services are oriented at TBU students and all members of the TBU academic community, but serve also applicants for study at TBU, public from the region and cooperating enterprises and institutions. In this sphere, the TBU web site and the University magazine *Universalia* play an important role as information resources. The bilingual magazine for the academic community, professional and regional public, and partner universities abroad is issued four times a year in 1,200 copies.

Free psychological, legal and study consultancy is provided by the TBU Academic Advisory Centre to the University students and employees. Its services can be also used by the applicants for study at TBU or graduates from TBU.

## 13.6 | Sport, Arts, and Other Student Activities |

The University offers its students numerous possibilities for sports, artistic and other activities. Within the framework of the compulsory physical education, students can choose from a wide range of sports activities: aerobics, spinning, swimming, kick-box, healthy physical education, taekwon-do, volleyball, basketball, indoor football, floorball, mountaineering, skiing and self-defence.

The University Sports Club ensures sports activities for students in higher years and for the University employees.

During the academic year and to commemorate the 17<sup>th</sup> November, the Department of Physical Training organizes swimming relay, faculties' tournament in indoor football, aerobics, ice-hockey, volleyball and squash. Winter skiing courses take place in the skiing resort Portáš in Javorníky and in Nassfeld in Austria. Summer sports courses are oriented towards cycling, mountaineering, water touring and horse riding.

In June 2005, the Department of Physical Training organized an international tournament, SUNI CUP – Zlín 2005. Students from Chorzów (Poland), Trenčín (Slovakia), Veszprém (Hungary) and Zlín competed in football, volleyball and aerobics. In December 2005, a very successful regional social and sportive event entitled "PARAPARÁDA" took place, where the disabled participants competed with representatives of public administration and professional athletes.

Every year, students represent the University at the Czech Academic Games. In the year 2005 they took

place in Olomouc, in May 1<sup>st</sup>–7<sup>th</sup> and TBU students brought back 1 golden, 1 silver, and 3 bronze medals.

### Department of Physical Training

- on 12<sup>th</sup> November, 2005, in Maribor (Slovenia) became a full member of the European Network of Academic Sports Services (ENAS),
- in cooperation with the social welfare institutions Horizont and Hvězda participates on the "Motion Programme for Clients with Mental Problems",
- participates actively in domestic and international conferences.

There are also wide opportunities for cultural life. In cooperation with the Municipal Theatre and the Bohuslav Martinů Philharmonic Orchestra, students can make use of favourably priced season tickets. Also the TBU Academia Centre organizes a number of programmes for free time. Within their study programme, students of the Faculty of Multimedia Communications prepared important cultural and social events for the public, such as Miss Academia of the Czech Republic, Theatre Festival in Luhačovice, Literary May, Student Film Festival and others.

TBU facilities are gradually becoming a place for the development of University students' extra-curricula interests, and the University's contribution to the town through providing worthy free time activities also for other students from Zlín and the whole region. The University believes this part of its activities strengthens its prestige in the town and region and supports the interest in study at TBU.



In 2005, the efforts for the University's development in the sphere of capital construction were explicitly ruled by the priorities defined in the TBU Long-term Aims and Objectives Plan. The aim is to gradually build up and renovate the spaces and technical facilities of the dynamically developing components of the University. To fulfil these plans, the University will carry out specific capital construction events, outlined for the period until 2007 and 2010.

## 14.1 | Resources from the Government Budget for Property Reproduction |

### 14.1.1 | University Centre in Zlín |

Registration No.: ISPROFIN: 233 34U 4706

In 2005, the project documentation was prepared for a building permit application, and the engineering activities were negotiated with relevant authorities, network administrators and other participants of the process. On receiving positive responses, the building permit was obtained. As the next step of the project preparation, the contractual documents were prepared for the competition for *the construction contractor*.

At the same time, project and engineering activities took place to ensure complex solution of engineering networks relays in the given area. A separate building permit for this part of the whole project was obtained, and contractual documentation was prepared for the selection of the contractor for *preparation of the construction site*.

An almost three-year-long preparatory stage was concluded when the investment project was registered, the decision on the participation of the government budget on funding the project was issued, and the order for the project was approved.

In the course of the year, the contractual obligations towards the tenants of the Musicland A Club were cleared, and subsequently the demolition of the whole object began.

After finalization of the contractual documents, a selection procedure was started to choose the head engineering supervisor for the investor, supplier of the separate part *preparation of the construction site*, and the general supplier for the construction, in accordance with the Act No. 40/2004 on public selection procedure.

Financial resources:	MŠMT :	16,715,000 CZK	(INV.)
	TBU :	2,379,000 CZK	(INV.)
<b>Total costs 2005:</b>		<b>19,094,000 CZK</b>	

### 14.1.2 | General Reconstruction of Building U12 - Part IV |

Registration No.: ISPROFIN: 233 34U 4705

The 4<sup>th</sup> stage of the general reconstruction of the building (following the previously completed stages) involved a complete reconstruction of the west half of the 1<sup>st</sup> to 5<sup>th</sup> floor for student accommodation into two-room units with a kitchenette, entry hall and sanitary facilities so that the floor space is utilized to the limit. Moreover, there are two small accommodation units different from the standard ones. They have a separate entrance from the front of the building and are intended for visiting teachers. The accommodation capacity thus has 206 new beds, while the quality of the inhabited and free interior space was strongly emphasised.

The spaces on the 1<sup>st</sup> floor were affected in the whole ground plan. The added value of the accommodation provided was increased by the reconstruction of a multi-purpose hall, modernization of the gym with adequate sanitary facilities, reconstruction of the students' club and construction of new operational spaces and technical facilities.

From the point of view of energy saving, an important part of the project was reconstruction and insulation of the roof cladding, replacing of all windows in the space reconstructed at this stage, and complete reconstruction of the technology of the junction exchange station including water heating connected to the central control of measurement and regulation.

Financial resources:	MŠMT :	38,985,000 CZK	(INV.)
	MŠMT :	3,174,000 CZK	(NON-INV.)
	TBU :	45,000 CZK	(INV.)
	TBU :	1,728,000 CZK	(NON-INV.)
<b>Total costs 2005:</b>		<b>43,932,000 CZK</b>	

### 14.1.3 | General Reconstruction of Wiring System in Building U1- Stage 2 |

Registration No.: ISPROFIN: 233 34U 4708

The 2<sup>nd</sup> stage followed the previous stages of the reconstruction of electrical and light installations and lights exchange in the building to satisfy the current regulations. Thus, at the same time, the requirement for replacement of the wiring system brought forward by a revision and the final revision report was fulfilled.

Financial resources:	MŠMT :	2 027,000 CZK	(INV.)
	TBU :	59,000 CZK	(INV.)
	TBU :	161,000 CZK	(NON-INV.)
<b>Total costs 2005:</b>		<b>2 247,000 CZK</b>	

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### 14.1.4 | Reconstruction of the Junction Exchange Station, Hot Water Supply Service, and Complete Heating System in Building U 10 |

Registration No.: ISPROFIN: 233 34U 4709

As a part of this project, the current equipment of the junction exchange station (outdated, unreliable and manually controlled) as well as the hot water supply service system (faulty, in a emergency condition) were replaced with a compact self-contained delivery station steam-water, both for heating and for hot water supply service.) This heat source is more economical and efficient, and was provided with modern regulation and measurement, connected to the central control system, which should result in big savings of heat. All the equipment was placed into one room, so that the old spaces were saved and used for new purposes.

The current uneconomical system of building heating was on the edge of collapse (hot water with huge-volume distribution and excessive amounts of hot water without equithermal regulation); therefore it was replaced with a system of flat low-volume heating bodies with thermoregulatory heads and economical distribution through copper pipes. The regulation of the heating system is based on the latest technology.

Financial resources:	MŠMT :	6 874,000 CZK	(INV.)
	TBU :	9,000 CZK	(NON-INV.)
<b>Total costs 2005:</b>		<b>6 883,000 CZK</b>	

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## 14.2 | Further Investment Activities at the University |

### 14.2.1 | Audio-visual Equipment for Lecture Halls A, B, C, and D in Building U2 |

Top-quality presentation technology installation contributed significantly to technical support of teaching in big lecture halls. An efficient data projector including accessories, loudspeaker system, vizualiser, mixing board, amplifier, video recorder, personal computer and other equipment was integrated into multimedia consoles, which allow unified and well-arranged operation of all devices through a touch-screen monitor.

Financial resources:	TBU :	805,000 CZK	(INV.)
	TBU FaME:	701,000 CZK	(INV.)
	TBU :	165,000 CZK	(NON-INV.)
<b>Total costs 2005:</b>		<b>1 671,000 CZK</b>	

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## 14.2.2 | Outdoor Orientation System for University Buildings in Accordance with the Unified Visual Style |

TBU buildings and their nearest surroundings were fitted with a unified information system in order to help students and public with orientation. At the same time, information tables were installed in selected places on posts for public lighting and trolley-bus wiring to help visitors access the individual University buildings.

Financial resources: TBU :	854,000 CZK	(INV.)
<b>Total costs 2005:</b>	<b>854,000 CZK</b>	

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## 14.2.3 | Installation of Blinds on Windows in Building U1 |

Following the exchange of large windows in the whole building in 2004, new horizontal aluminium blinds were installed on the most exposed places on the south, east and west wall of the building.

Financial resources: TBU :	481,000 CZK	(INV.)
<b>Total costs 2005:</b>	<b>481,000 CZK</b>	

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## 14.2.4 | Adding Blinds on the East-Side Windows in Building U51 |

The project involved installation of outside hand operated blinds into prepared boxes above windows.

Financial resources: TBU :	337,000 CZK	(INV.)
TBU :	26,000 CZK	(NON-INV.)
<b>Total costs 2005:</b>	<b>363,000 CZK</b>	

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## 14.2.5 | Project and Preparatory Activities |

Preparation in form of reports, researches, expertises, audits, measuring, studies, pre-project, project and engineering activities for projects listed in the Construction Committee Plan for coming years was carried out throughout the year. In 2005, these were above all the following investment activities:

- General reconstruction of building U11
- Reconstruction of social facilities and air conditioning in building U10
- Construction of the training TV studio
- Construction of the main entrance into building U1 from the north side
- Expanding sports facilities in building U5
- Reconstruction and construction of an annex to building U8

## 14.3 | Reconstruction and Maintenance of University Buildings |

### 14.3.1 | Reconstruction of the Junction Exchange Station and Hot Water Supply Service in Building U3 |

Just as in the project 14.1.4., in this case there was outdated equipment with unreliable operation, which required frequent maintenance and repairs in parts securing both heating and hot water supply service. Moreover, the whole equipment took up too much space. The newly installed technology is a self-contained junction station with appropriate measurement and regulation system, which will ensure heating and hot water supply service in the building. The floor space saved was used for building of two indoor garages for personal cars.

Financial resources: TBU :	2 386,000 CZK	(INV.)
<b>Total costs 2005:</b>	<b>2 386,000 CZK</b>	

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### 14.3.2 | Reconstruction and Modernization of Lifts in Building U 2 |

Modernization consisted in complete exchange of wiring and electronic control systems for 2 personal lifts. Its purpose was to ensure full functionality, higher safety and efficiency as well as reliability of operation. Safety risks were removed in accordance with the relevant safety norms and regulations.

Financial resources:	TBU :	731,000 CZK	(INV.)
	TBU :	87,000 CZK	(NON-INV.)
<b>Total costs 2005:</b>		<b>818,000 CZK</b>	

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### 14.3.3 | Reconstruction and Modernization of Lifts in Building U 6 - Stage 1 |

Modernization required complete replacement of electrical and mechanical units, electrical control systems and deliveries of new lift cabins, including shaft doors for 2 personal lifts. Just as in the previous case, the primary purpose of this project was to eliminate safety and operational risks.

Financial resources:	TBU KMZ:	1 724,000 CZK	(INV.)
<b>Total costs 2005:</b>		<b>1 724,000 CZK</b>	

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### 14.3.4 | Reconstruction and Modernization of Lifts in Building U 7 |

See 14.3.3.

For 1 piece of personal lift

Financial resources:	TBU:	862,000 CZK	(INV.)
<b>Total costs 2005:</b>		<b>862,000 CZK</b>	

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### 14.3.5 | Repairs of Other Spaces in Building U 12 |

This project included necessary repairs and replacements in listed constructions and facilities in the common spaces in building U12, which showed a high degree of wear. That involved especially repairs of surfaces and tiling, exchanges of floor cloth, repairs of hydro-insulation or lower constructions, repairs and maintenance of wet plaster, replacements of furnishings, exchanges of parts of horizontal drainage, replacements of mineral lower ceilings, grinding, redecoration, coating etc.

Financial resources:	TBU:	1 480,000 CZK	(NON-INV.)
<b>Total costs 2005:</b>		<b>1 480,000 CZK</b>	

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### 14.3.6 | Small Construction Works - Summary |

Small construction works include building and lay-out adjustment and interior supplies of smaller scale, especially those related to the relocation of the University components, change of rooms utilization, preparation of spaces for new devices and equipment in terms of construction and wiring, supplies of equipment for increasing the operational safety at the University, administration fees for real burden, purchasing additional equipment for teaching and administrative spaces, etc.

Financial resources:	TBU :	545,000 CZK	(INV.)
	TBU :	324,000 CZK	(NON-INV.)
<b>Total costs 2005:</b>		<b>869,000 CZK</b>	

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### 14.3.7 | Complex Solution for Technical Requirements |

This project consisted of ensuring operational repairs or replacement of construction parts, technologies or equipment in cases of sudden emergency throughout the year. The expenses were covered from resources for rental of substitute teaching spaces or furniture and materials transportation, which are directly related to construction investment events.

Financial resources: TBU : 577,000 CZK (NON-INV.)  
**Total costs 2005:** 577,000 CZK

### 14.4 | TBU Participation in Projects of Universities Development Fund |

| Table No. 78 |

Development programmes for Public Universities	Number of Projects Submitted	Allocated Financial Resources in Thousands		
		Investment	Non-investment	Total
<b>A</b> Innovation and development of laboratories, studios, and practical workplaces, including libraries and IT for university education	2	3,401		3,401
<b>B</b> Teacher education	1		174	174
<b>F</b> Study programmes innovation	5		505	505
<b>G</b> Students' creative activities	12		984	984
<b>Total</b>	<b>20</b>	<b>3,401</b>	<b>1,663</b>	<b>5,064</b>

### 14.5 | TBU Participation in Universities Development Programmes |

| Table No. 79 |

Development programmes for Public Universities	Number of Projects Submitted	Number of Projects Accepted	Allocated Fin. Resources in Thous. CZK	
			Investment	Non-investment
Development support programme	23	22	40,711	17,609
Programme for support of internationalization development	3	3		1,340
Programme for preparation of long-term aims in education, science, research, development, arts and other creative activities at public universities and their components	1	1		300
<b>Total</b>	<b>27</b>	<b>26</b>	<b>40,711</b>	<b>19,249</b>

### 14.6 | Using Financial Resources from EU Structural Funds |

| Table No. 80 |

Operational Programme (title)	Measures (title)	Projects	Dates	Allocated resources in thousands CZK NON-INV/INV	Allocated resources for 2005 in thous. CZK (NON-INV/INV)
Operational programme Human Resources Development	Support of tertiary education, research and development	Comodity expert for footwear and leather goods	from 2006		
<b>Total</b> (for each operational progr.)					

The project was accepted in 2005, with the planned date of launch on 5<sup>th</sup> January 2006.

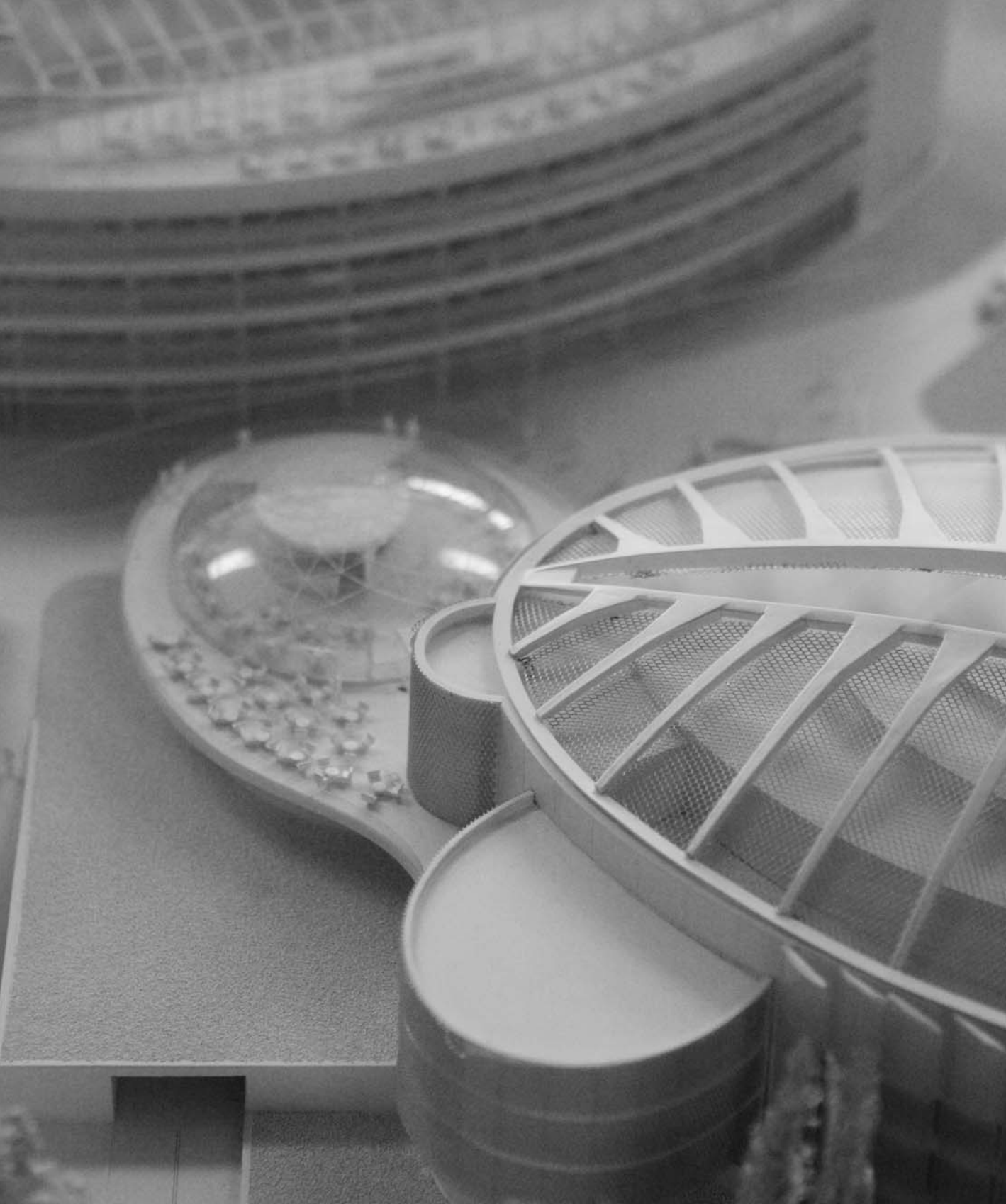


Activities of the TBU Board  
of Governors

15

The Board of Governors convened twice in the year 2005. On its 9<sup>th</sup> sitting, which took place on 14<sup>th</sup> April 2005 in the University building in Mostní Street, the Board of Governors approved the Annual Report for the year 2004 and the Annual Report on Economic Activities for 2004. The Board discussed the proposal to establish the Faculty of Applied Informatics and recommended it for implementation. Also, Mr. František Slavík resigned from the Board as his term as the Governor of the Zlín Region ended.

The 10<sup>th</sup> meeting of the TBU Board of Governors was held on 14<sup>th</sup> September 2005 in Prague. The Board discussed the proposal to establish the faculty oriented towards humanities and recommended it for implementation. The Board also approved the Long-Term Plan for education, science, research, development, arts and other creative activities at TBU in Zlín for the period 2006-2010, and the Updating of the TBU Long-Term Aims and Objectives in Zlín for the year 2006. The Board approved the change in the Statute of the TBU Board of Governors in article 4, paragraph 1, and article 5, paragraph 1; the new wording is “The length of the term is unlimited.”



In the year 2005, TBU continued to fulfil the tasks set out in the Long-Term Aims and Objectives.

In the sphere of pedagogical activities, the offer for study was enlarged by newly accredited study programmes and courses, which form the basis for the preparations of a new faculty, oriented towards humanities.

As of 1<sup>st</sup> January 2006, the new Faculty of Applied Informatics was established, which will enable further improvement in the quality of the existing programmes focused on automated control systems and informatics, as well as possible creation of new programmes in this field. In the academic year 2006/2007 some study programmes should be opened at the new TBU facility in Uherské Hradiště.

In terms of investments, a significant step was taken by starting the construction of the multifunction building complex of the Congress and University Centre by demolishing the club MusicLand A.

In personnel management, TBU makes efforts for professionalization and internationalization of the staff structure. One of the priorities was language training for both the academic and administrative employees.

Creative potential in research and development was considerably strengthened by the foundation of the Technological and Innovation Centre in cooperation with the Zlín Regional Authorities. The Polymer Centre, which is a part of the Faculty of Technology, is a significant facility, unique in the whole Czech Republic. This research facility focuses on research into polymer materials and processing procedures, which has been determined as one of the main research objectives for the period up to the year 2011.

The University continued with the process of internationalization and integrating into the European network of universities with similar subject fields. In international cooperation the University constantly focuses on increasing the number of international students at TBU and on support for international mobilities for Czech students.

Main objectives for the year 2006:

1. Construction of the University Centre
2. Preparation for the establishment of the fifth faculty oriented towards humanities
3. Cooperation with the town of Uherské Hradiště on preparation of the Regional Educational Centre
4. Accreditation of an integrated study programme in English

Other objectives:

1. To accredit at least one bachelor or master programme at each educational unit of the University, which will be concurrently taught in English; this programme should be chosen with regard to its appeal to international students, as well as the language abilities of teachers; if necessary, high-quality teachers will be hired abroad;
2. To ensure compulsory classes in English for all full-time study programmes taught in Czech;
3. To prepare a project for the establishment of the Institute for Language Preparation of International Students;
4. To accredit a bachelor programme Logistics and Crisis Management;
5. To accredit a bachelor programme in Philology, a course German for Business Administration;
6. To accredit a follow-up master programme in Chemistry and Food Technologies, a course in Crisis Management in Chemical Industry.



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## Main Abbreviations

CVIS	- Centre for Research and Information Systems, TBU
ECTS	- European Credit Transfer System
EUA	- European Universities Association
FAI	- Faculty of Applied Informatics
FaME	- Faculty of Management and Economics
FMC	- Faculty of Multimedia Communications
FRVŠ	- Universities Development Fund
FT	- Faculty of Technology
GA ČR	- Grant Agency of the Czech Republic
Grant Agency AV CZ	- Grant Agency of the Academy of Sciences, Czech Republic
INV	- investment resources
MMR	- Ministry of the Regional Development, Czech Republic
MPO	- Ministry of Industry and Trade, Czech Republic TBU- Tomas Bata University
MŠMT	- Ministry of Education, Youth and Sports, Czech Republic
NON-INV	- non-investment resources
R& D	- research and development
TBU	- Tomas Bata University
UNI	- University Institute
U1-U13	- University Buildings