



Annual Report

2002





A black and white photograph of the Tomas Bata University building. The building features a large sign that reads "Univerzita Tomáše Bati" and "Tomas Bata University". In the foreground, there are several magnolia flowers in bloom, some in sharp focus and others blurred. A person is visible standing near the entrance of the building. The building has a modern architectural style with large windows and a flat roof.

Univerzita Tomáše Bati
Tomas Bata University



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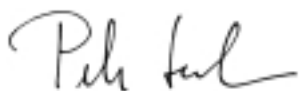
List of Abbreviations

TBU	- Tomas Bata University in Zlín	AC	- Academia Centre
AS TBU	- Academic Senate of TBU	MŠMT	- The Czech Ministry of Education, Youth, and Sports
FT	- Faculty of Technology	VOŠ	- Higher Technical School/Business College
FaME	- Faculty of Management and Economics	GA ČR	- Grant Agency of the Czech Republic
FMK	- Faculty of Multimedia Communications	FRVŠ	- Universities Development Fund
IIT	- Institute of Information Technologies	MPO	- Czech Ministry of Trade and Industry
KMZ	- Halls of Residence and Refectories	SP	- Study Programme
UK	- Central Library	ÚMCH	- Institute of Macromolecular Chemistry
		ÚTIA	- Institute of the Theory of Information and Automation
Doc.	- Docent = equivalent to Associate Professor	a. s.	- Joint-stock Co. equiv.
CSc.	- Ph.D. equiv.	spol. s r. o.	- Ltd. Co. equiv.
Ing.	- Inženýr = equiv. to MSc.		

1. Introduction

This Annual Report records the most important results achieved over the course of the second year of the existence of Tomas Bata University (TBU) in Zlín.

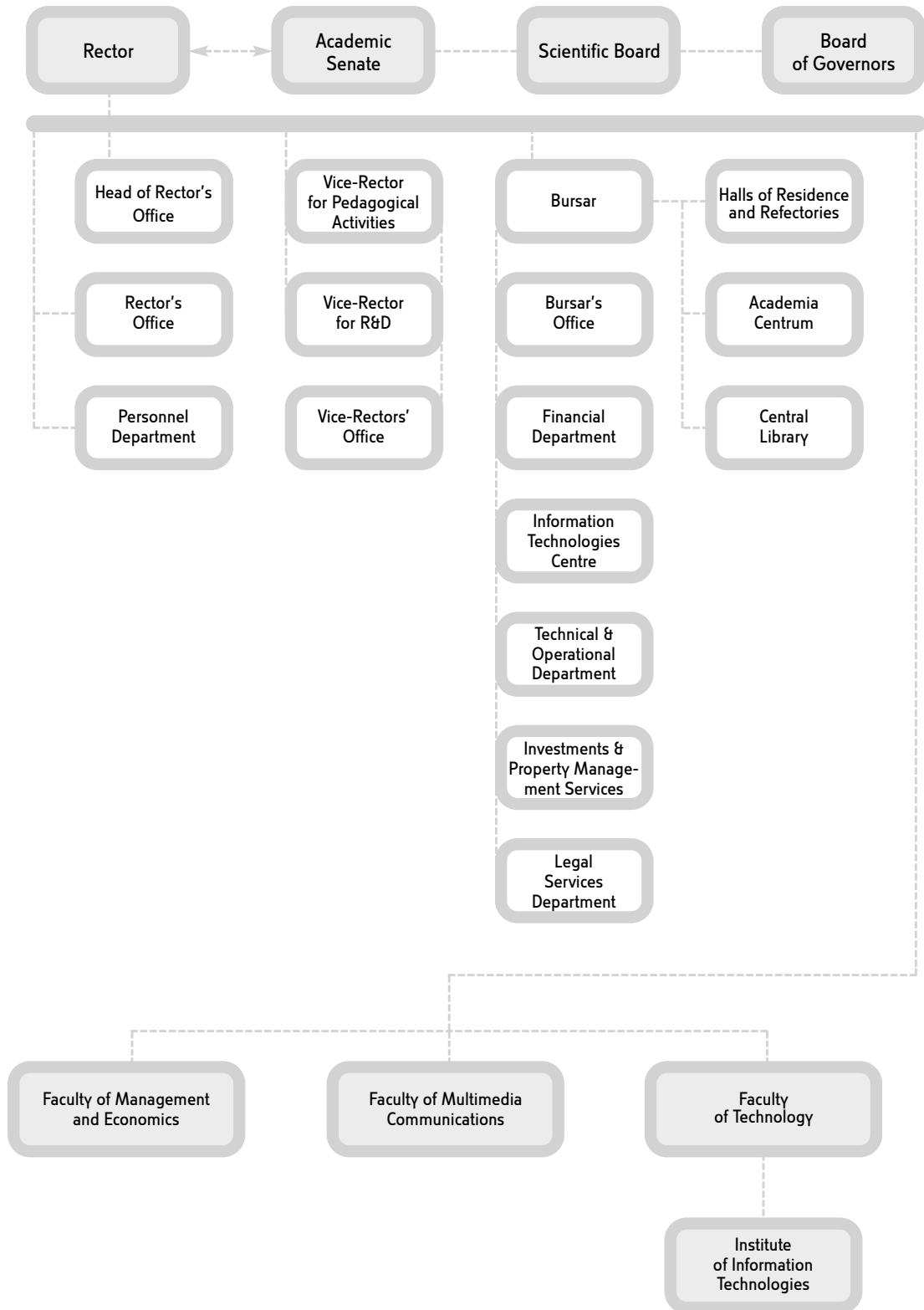
During the period under evaluation, the university continued to build and strengthen its structure. A third faculty – the Faculty of Multimedia Communications – was successfully accredited and established in 2002, and was fully functional by year-end. Concurrently, we continued with preparations for the establishment of a fourth faculty, oriented on Information Technologies. Furthermore, construction of a new university complex started at the Jižní Svahy site, where the new faculty will be situated. The dislocation problems associated with the development of teaching and accommodation capacities were solved by the purchase of three buildings located in the town centre, which are being gradually reconstructed to meet the university's needs.



Prof. Ing. Petr Sába, CSc.
Rector



2. University Organisational Structure



2.1 University Building Locations

TBU is located in the following precincts and buildings in Zlín:

- **U1 Building** T. G. Masaryka 275 Faculty of Technology
- **U2 Building** Mostní 5139 TBU Rectorate, Faculty of Management and Economics
- **U3 Building** Růmy 4046 Institute of Information Technologies, FT
- **U4 Precinct** Štefánikova 2431
- **U41 and U42 Buildings** Faculty of Multimedia Communications
- **U43 Building** KMZ - Refectories
- **U44 Building** TBU Central Library
- **U5 Precinct** Jižní Svahy,
Nad Stráněmi 4511 Under construction
- **U56 Building** Sports Hall
- **U6 Building** Antonínova 4379 Antonínova Halls of Residence No. 1
- **U7 Building** Štefánikova 150 Štefánikova Halls of Residence No. 2
- **U10 Building** T. G. Masaryka 1279 FT, FaME, FMK, & SOU Departments
- **U11 Building** Nad Ovčárnou 3685 Nad Ovčárnou Halls of Residence No. 3
- **U12 Building** T. G. Masaryka 3050 T. G. Masaryka Halls of Residence No. 4
- **U13 Building** Jižní Svahy, Křiby 4885 Student Accommodation Facilities (temporarily rented)

TBU outside Zlín:

- **U8 Building** Portáš, Nový Hrozenkov 47 Training Centre

3. Composition and Activities of University Administrative Organs

Rector

Prof. Ing. Petr SÁHA, CSc.

Vice-Rectors

Doc. PhDr. Ing. Aleš GREGAR, CSc., *Vice-Rector for Pedagogical Activities; Statutory Deputy*
Prof. Ing. Vladimír BOBÁL, CSc., *Vice-Rector for R&D Activities*

Bursar

RNDr. Alexander ČERNÝ

Head of Rector's Office

Ing. Andrea KADLČÍKOVÁ

Academic Senate Until 19. 03. 2002

Chairperson

Ing. Alena MACHÁČKOVÁ, CSc.

Deputy Chairmen

Ing. Pavel ROSMAN, *Chairman of the Chamber of Academic Staff*

Ing. Tomáš HONEK, *Chairman of the Chamber of Students*

Academic Staff Members

Ing. Zuzana DOHNALOVÁ

Ing. Rahula JANIŠ, CSc.

Ing. Vratislav KOZÁK, Ph.D.

Mgr. Zdeněk MELICHÁREK

Dr. Ing. Vladimír PAVLÍNEK

Ing. Tomáš SYSALA, Ph.D.

Student Members

Daniel REMEŠ *(from 19. 02. 2002)*

Bc. Michal STANĚK

Ing. Jiří VERBERGER

From 19. 03. 2002

(Expansion of the Academic Senate by FMK Representatives)

Chairperson

Ing. Alena MACHÁČKOVÁ, CSc.

Deputy Chairmen

Ing. Pavel ROSMAN, *Chairman of the Chamber of Academic Staff*

Ing. Tomáš HONEK, *Chairman of the Chamber of Students (until 30. 06. 2002)*

Bc. Daniel REMEŠ, *Chairman of the Chamber of Students (from 26. 11. 2002)*

Academic Staff Members

Ing. Zuzana ODEHNALOVÁ

PhDr. Magda GREGAROVÁ *(from 03. 09. 2002)*

Ing. Rahula JANIŠ, CSc.

Ing. Vratislav KOZÁK, Ph.D.

Mgr. Pavel KRUTIL

PhDr. Ivan KULHÁNEK, CSc. *(from 15. 10. 2002)*

Mgr. Zdeněk MELICHÁREK

Doc. Dr. Ing. Vladimír PAVLÍNEK

Ondřej PODZIMEK, MFA *(until 17. 09. 2002)*

Jiří SVOBODA, MFA

Ing. Tomáš SYSALA, Ph.D.

Prof. Pavel ŠKARKA, MFA *(until 18. 06. 2002)*

Student Members

Kristýna BUKOVANOVÁ *(until 18. 06. 2002)*

Ondřej CARDA *(from 03. 09. 2002)*

Ing. Petr FOLTÝN *(from 29. 10. 2002)*

Bc. Michal STANĚK *(until 18. 06. 2002)*

Ing. Jiří VERBERGER

Ing. Viktor VOLČÍK *(from 17. 09. 2002)*

Michal ZÁVACKÝ

The Faculty of Multimedia Communications was established as the third faculty at the university on 01. 01. 2002 by the TBU Academic Senate, and the elections of the FMK representatives to the TBU AS were announced. After the elections, the TBU AS was expanded by four members of the academic staff and two students representing FMK members. In the course of 2002, 12 regular and three extraordinary sittings of the TBU AS took place. The TBU AS discussed and approved the following internal rules and regulations: the TBU Rules for Academic Employee Recruitment; the TBU Regulations for Lifelong Learning; the TBU Wages and Salaries Provisions; and the TBU Provisions for Administrative and Accounting Procedures. Thereby, TBU has elaborated all the internal rules and regulations required by Act No. 111/1998 Act on Universities and on Modification and Amendment of Other Acts (The

Higher Education Act), and in accord with the TBU Statutes. Other documents debated and approved by the TBU AS were the TBU Annual Report for 2001; the Updating of the Long-term Aims and Objectives of TBU in Zlín for 2002; the TBU Budgetary Provisions for 2002; and the TBU Budget for 2002. The TBU AS paid great attention to the debate on the suggested Electoral and Procedural Regulations of the FMK AS. Subsequent to its approval, the first ever elections to the FMK Academic Senate were proclaimed and took place. Other internal rules, regulations and provisions of the various TBU faculties discussed and approved by the TBU AS, were the Statutes of the individual faculties of the university; the Electoral and Procedural Regulations of the Academic Senates of the Faculty of Technology, and of the Faculty of Management and Economics; and the Rules of Procedure for the Scientific Boards of all three university faculties.

Scientific Board

Chairman

Prof. Ing. Petr SÁHA, CSc., *Rector, Tomas Bata University in Zlín*

External Members

Prof. Ing. Ferdinand DEVÍNSKY, DrSc., *Rector, Comenius University, Bratislava, Slovakia*

Prof. Milan KNÍŽÁK, Dr.A., *General Manager, National Gallery in Prague*

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

Prof. RNDr. Milan MAREŠ, DrSc., *Head of the Department of the Theory of Information and Automation, Academy of Sciences, Prague*

Doc. Ing. Štěpánka NOVÁKOVÁ, CSc., *Vice-Rector, Prague University of Economics*

Ing. Pavel PRAVEC, *Executive, Barum Continental, spol. s r. o., Otrokovice*

Prof. Ing. Oldřich PYTELA, DrSc., *University of Pardubice*

Doc. Ing. Karel RAIS, CSc., MBA, *Faculty of Business, Technical University in Brno*

Ing. Jiří ROSENFELD, CSc., *General Manager, Slováké strojírny, a. s., Uherský Brod*

Prof. PhDr. Lubomír SLAVÍČEK, CSc., *Faculty of Philosophy, Masaryk University in Brno*

Prof. PhDr. Jan SEDLÁK, CSc., *Dean, Faculty of Fine Arts, Technical University in Brno*

Doc. Ing. Karel ULBRICH, DrSc., *Head of the Institute of Macromolecular Chemistry, Academy of Sciences, Prague*

Prof. Ing. Petr VAVŘÍN, DrSc., *Rector Emeritus, Technical University in Brno*

Prof. RNDr. Ing. Jan VRBKA, DrSc., *Rector, Technical University in Brno*

Ing. Radomír ZBOŽÍNEK, *Executive and Director, East Markets, spol. s r. o., Member of the Division TAĀMAC-ZPS, a. s., Zlín*

Internal Members

Prof. Ing. Vladimír BOBÁL, CSc., *Vice-Rector*

Doc. RNDr. Jiří DOSTÁL, CSc., *Dean, Faculty of Technology*

Prof. Ing. Petr DOSTÁL, CSc., *Head of the Department of Control Theory, IIT, Faculty of Technology*

Doc. PhDr. Ing. Aleš GREGAR, CSc., *Vice-Rector*

Prof. Ing. Antonín KLÁSEK, DrSc., *Vice-Dean, Faculty of Technology*

Prof. Ing. Lubomír LAPČÍK, DrSc., *Faculty of Technology*

Ing. Alena MACHÁČKOVÁ, CSc., *Chairperson, AS TBU*

Doc. Jan MEISNER, MFA, *Head of the Design Studio, Faculty of Multimedia Communications*

Prof. Ing. Zdeněk MOLNÁR, CSc., *Head of the Department of Informatics and Statistics, Faculty of Management and Economics*

Doc. PhDr. Vnislav NOVÁČEK, CSc., *Dean, Faculty of Management and Economics*

Doc. PhDr. Dušan PAVLŮ, CSc., *Faculty of Multimedia Communications*

Doc. Ing. Roman PROKOP, CSc., *Vice-Dean, Faculty of Technology*
Prof. PhDr. Vlastimil ŠVEC, CSc., *Faculty of Technology*
Prof. Ing. František TRNKA, CSc., *Faculty of Management and Economics*
Doc. Ing. Vladimír VAŠEK, CSc., *Head of the Institute of Information Technologies, Faculty of Technology*

The Scientific Board of TBU met twice in 2002. At its first sitting, held on 10th April 2002, they discussed the Updating of the Long-term Aims and Objectives of TBU in Zlín for 2002, and after due deliberation, approved the new Research Study Aims and Objectives for the project: MSM 281100002, The Minimisation of the Influences of Industrial Wastes on the Environment. At their second sitting, which took place on 13th November 2002, they concerned themselves with the results of the creative activities at

the individual faculties of TBU, and were familiarised with the Doctoral Study programmes, the Habilitation Procedures, and the Professorial Nomination Procedures in the course of 2002. The Scientific Board also, after due discussion, approved the submission of the accreditation application for the Bachelor's Degree programme in Nursing – to be realized by the Higher Medical School in Zlín and guaranteed by TBU in Zlín, and for the accreditation of new pedagogically-oriented study programmes.

The Board of Governors

Chairman

Mr. Tomas BATA, Dr.Hon.

Deputy Chairpersons

PhDr. Zdeněk DOSTÁL, *Mayor of Zlín*
Ing. Michaela ŠOJDROVÁ, *M.P., Parliament of the Czech Republic*

Members

Ing. Josef KUBÍČEK, *Bursar, Charles University, Prague*
Irena ONDROVÁ, *Senator, Parliament of the Czech Republic, Deputy Mayor of Zlín*
Doc. Ing. Josef PRŮŠA, CSc., *Deputy Minister, MŠMT CZ (until 13. 11. 2002)*
Ing. František SLAVÍK, *Governor, Zlín Region, Czech Republic*
JUDr. Pavel TELÍČKA, *First Deputy Minister, Ministry of Foreign Affairs, Czech Republic*
Doc. Ing. Jiří VOLF, *Deputy Minister, Ministry of Finance, Czech Republic*

Secretary to the Board

Ing. Andrea KADLČÍKOVÁ

TBU Representatives to the Czech Council of Higher Education Institutions

Ing. Alena MACHÁČKOVÁ, CSc., *TBU Representative to the Assembly of the Czech Council of Higher Education Institutions, member of the Board of Directors of the Czech Council of Higher Education Institutions*
Prof. Ing. Jaroslav BALÁTĚ, DrSc., *TBU Representative to the Assembly of the Czech Council of Higher Education Institutions*
Bc. Martin TROJAN, *TBU Representative to the Students Chamber of the Czech Council of Higher Education Institutions*
Ing. Dalibor KUCHAR, *Alternate TBU Rep. to the Students Chamber of the Czech Council of Higher Education Institutions*

Rector's Advisory Council

Doc. PhDr. Ing. Aleš GREGAR, CSc., *Vice-Rector for Pedagogical Activities, Statutory Deputy*
Prof. Ing. Vladimír BOBÁL, CSc., *Vice-Rector for R&D Activities*
RNDr. Alexander ČERNÝ, *Bursar*
Ing. Alena MACHÁČKOVÁ, CSc., *Chairperson, AS TBU*
Doc. PhDr. Vnislav NOVÁČEK, CSc., *Dean, FaME*
Doc. RNDr. Jiří DOSTÁL, CSc., *Dean, FT*
Doc. Jan MEISNER, MFA, *interim Dean FMK, (until 31. 08. 2002)*
Prof. Pavel ŠKARKA, MFA, *Dean, FMK, (from 01. 09. 2002)*
Ing. Andrea KADLČÍKOVÁ, *Head of Rector's Office*

4. Educational Activities

In 2002, TBU provided tuition in both full-time and combined forms of studies in Bachelor's, Master's and Doctoral Degree programmes in the areas of Technical Sciences, Social Sciences, Economics, Pedagogy, and Fine Arts. The university offered 36 courses in 19 accredited

study programmes. All of these study programmes have been newly accredited, or else re-accredited in accordance with the Bologna Declaration, as follow-up two- or three-grade study programmes at the Bachelor's, Master's and Doctoral Degree levels (3 + 2 + 3).

Numbers of Study Programmes and Courses at TBU

Table No. 1

Course Groups	Course Groups Codes	Study Progr./Courses			Total No. of Study Prog./Courses
		Bachelor's	Master's	Ph.D.	
Technical Sciences	21 to 39	4/8	4/13	2/2	10/23
Social Sciences and Services	61, 65, 67, 71-74	1/1	1/1		2/2
Economics	62	2/4	1/3	1/1	4/8
Pedagogy and Social Care	75	1/1			1/1
Culture and Arts Studies	81, 82	1/1	1/1		2/2
Total	11 to 82	9/15	7/18	3/3	19/36

2002 saw the gradual innovation and updating of existing study programmes carried out in accordance with the Bologna Declaration, as well as the introduction of new subjects to answer the labour market's needs (the faculties gain their data directly from their close contacts with the appropriate industry and through the tracking of graduate placement).

In both the full-time and combined forms of studies, it is now possible to study the following courses in the

domains of Chemistry and Materials Technology, Process Engineering, Engineering Informatics, Economics and Management, Economic Policy and Administration, Media and Communication studies in the specializations of Marketing and Social Communications, Fine Arts in the specializations of Multimedia and Design, and in the domain of Pedagogy with an orientation on Social Pedagogy and Teaching Certificates in certain specialist subject areas.

Study Programmes Guaranteed by TBU and Implemented by the Business College Zlín (VOŠ)

In order to expand the number of study places for applicants interested in studies of Economics, a Bachelor's Degree programme is offered by TBU in cooperation with the Business College in Zlín (VOŠ), in the study disciplines of Marketing, and the Financial Management of Enterprises,

both are offered in full-time and combined studies forms.

Applicants interested in the Shoemaking and Footwear Technologies disciplines can apply for the full-time Bachelor's Degree programme administered in collaboration with VOŠ.

Use of the Credit System

At TBU, all study programmes use a unified Credit System that is fully compatible with the European ECTS standard. The basic characteristics of this unified credit system are:

- One credit represents 1/60 of the average annual student study load for the standard length of studies;
- Each subject is allocated a number of credits to reflect the relative degree of student study load, which are required for the successful completion of a given subject;
- Upon successfully completing a course, a student gets the number of credits allocated to the particular subject;

- Credits obtained within one study programme are added up;
- The number of credits obtained is the tool by which progress in studies is checked.

This credit system, in conjunction with students' good knowledge of languages, is perceived as being one of the necessary conditions for the university's entry into the pan-European Student Mobility programme and the European educational environment.

Lifelong Learning Programme

2002 saw the initiation of studies of Management and Economics and of Public Administration and Regional Development within the framework of TBU's Lifelong Learning programme. The range of study courses offered at TBU in both full-time and combined forms, as well as in the lifelong learning form, reflects the needs of the labour market, and the information gathered on graduate placement confirms that our graduates meet with an appropriate demand from enterprises and other organisations in the Zlín Region or elsewhere within the Czech Republic.

In view of the specific needs for the development of qualifications and education in our region, but also taking into consideration the wider context,

2002 saw TBU undertake the preparation of a range of Teacher Training programmes designed to prepare teachers of Informatics, Chemistry and Technology, and Economics. In cooperation with the Zlín Regional Authority Education Department, we have also prepared a programme designed for Lifelong Learning of In-Service teaching staff. The Lifelong Learning programme represents a significant area for the further development of the university's activities, and also includes a programme for senior citizens, the University of the Third Age. In the course of 2002, the university offered the senior citizens a four-semester study programme divided into two study courses for the first time ever.

Numbers of Lifelong Learning Programmes (LLP) Offered at TBU

Table No. 2

Course Groups	Course Groups Codes	LL Programmes within the context of the accredited SPs		Other	Total No.
		Free	With Fee		
Economics	62		2		2
Pedagogy and Social Care	75			1	1
Total	11 to 82		2	1	3

Applicant Interest in Studying at TBU

Table No. 3

Course Groups	Course Groups Codes	Number				
		Applications Received ¹⁾	Applicants ²⁾	Accepted ³⁾	Newly Accepted ⁴⁾	Registered for Studies ⁵⁾
Technical Sciences	21 to 39	1,210	976	735	735	596
Social Sciences and Services	61, 65, 67, 71-74	318	318	161	161	160
Economics	62	3,096	2,269	901	901	695
Pedagogy and Social Care	75	1,048	1,048	120	120	120
Culture and Arts Studies	81, 82	402	402	68	68	68
Total	11 to 82	6,074	5,013	1,985	1,985	1,639

1) Total number of applications received.

2) Number of applicants for studies. These figures express the overall number of physical entities; the study course totals include multiple applications (i.e. to more than one discipline).

3) Number of applications positively responded to (examined).

4) Number of applicants actually accepted. These figures express the overall number of physical entities; the study courses include multiple applicants actually accepted (i.e. to more than one discipline).

5) Number of accepted students who actually registered to begin their studies.

The Faculties pay close attention to enlisting top-quality applicants. Among the most important activities undertaken in this direction, apart from the direct contacts the university maintains with a selected circle of secondary schools and the regular

holding of Open Days, was the TBU's participation in the tertiary education trade fair Gaudeamus, which took place in Brno in September 2002. TBU participated in this fair for the second time as an independent university.

TBU Student Numbers

Table No. 4

Course Groups	Course Groups Codes	Students in Study Programmes			Total No. of Students
		Bachelor's	Master's	Ph.D.	
Technical Sciences	21 to 39	895	368	106	1,369
Social Sciences and Services	61, 65, 67, 71-74	239	101		340
Economics	62	1,760	406	64	2,230
Pedagogy and Social Care	75	120			120
Culture and Arts Studies	81, 82	110	40		150
Total	11 to 82	3,124	915	170	4,209

Number of Students From Abroad, Including Students From Slovakia

Table No. 5

Course Groups	Course Groups Codes	Students in Study Programmes			Total No. of Students
		Bachelor's	Master's	Ph.D.	
Technical Sciences	21 to 39	40	12		52
Social Sciences and Services	61, 65, 67, 71-74	13	2		15
Economics	62	69	2		71
Culture and Arts Studies	81, 82	3	2		5
Total	11 to 82	125	18		143

Graduate Numbers at TBU

Table No. 6

Course Groups	Course Groups Codes	Students in Study Programmes			Total No. of Students
		Bachelor's	Master's	Ph.D.	
Technical Sciences	21 to 39	43	113	11	165
Social Sciences and Services	61, 65, 67, 71-74	63	26		89
Economics	62	186	142		328
Culture and Arts Studies	81, 82	18	5		23
Total	11 to 82	310	286	11	605

Numbers of Unsuccessful Students at TBU

Table No. 7

Course Groups	Course Groups Codes	Students in Study Programmes			Total No. of Students
		Bachelor's	Master's	Ph.D.	
Technical Sciences	21 to 39	204			204
Social Sciences and Services	61, 65, 67, 71-74	3			3
Economics	62	40	5		45
Culture and Arts Studies	81, 82	4	1		5
Total	11 to 82	251	6		257

New Bachelor's and Master's Degree Study Programmes

The Faculty of Multimedia Communications, accredited and established on 01. 01. 2002, significantly expanded the range of study opportunities offered by Tomas Bata University in Zlín through its Fine Arts Studies and Media and Communications Studies, further sub-divided into the Multimedia and Design, and Marketing and Social Communications disciplines.

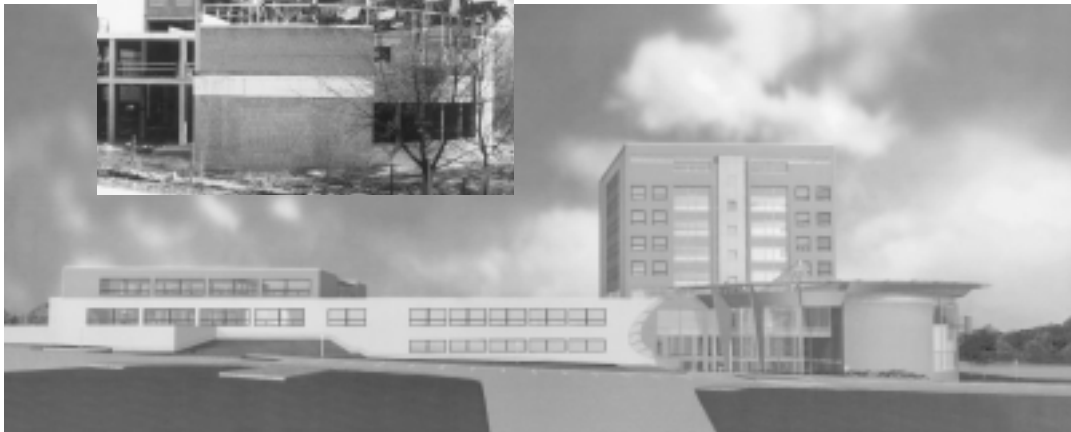
A further direction in which preparations have been made for new study opportunities at TBU, is that of Informatics, in which the university wants to create the requisite conditions for the establishment of its fourth faculty. Currently, the study programmes of Process Engineering and Engineering Informatics are being

taught in a full-time Bachelor's Degree programme at detached worksites of TBU in the towns of Vsetín, Přerov, and Uherské Hradiště.

In addition, a specialised study programme in the discipline of Engineering Informatics for the disabled has been prepared for accreditation in 2002/2003. This programme is also to be available in a combined studies form. The requisite technical and other conditions necessary for such applicants to study have been met, and the following buildings have been adapted to serve their needs: the Building U2 (seat of the Rectorate and FaME) and the Building U4 (seat of FMK, Central Library, and Refectories).



The university complex at Jižní Svahy, the future seat of the fourth faculty oriented on IT. Completion date: April 2004.



5. Information and Communication Technologies

5.1 Status of Computer Technology, Information and Communication Technologies

TBU in Zlín has as its priority the development of its Information and Communication Technology base. The Information Technologies Centre has the overall responsibility for this task.

The TBU buildings U1, U2, U3, U4, U6, and U7 are interconnected by fibre-optic cables with a capacity of 12 fibres MM (telecommunications network), and of 8 fibres SM (data network). A network with a data-transfer speed of 1 Gbit/s interconnects the data networks of these buildings. The buildings U13 and U10 are connected to the backbone network (via the building U2) by a wire-less microwave connection with a data-transfer speed of 11 Mbit/s. The buildings U5, U11 and U12 are yet to be connected to the TBU backbone computer network.

Within the overall framework of the MŠMT Transformation and Development Programme project entitled the Modernisation of the Backbone Computer Network at Tomas Bata University in Zlín, a new central active element of the network – a Cisco Catalyst 6509 –

was purchased. It is a high-performance modular device, which can be enhanced as required by the addition of further modules and ports. Thanks to the qualities of this Cisco active element, selected buildings (i.e. U1, U2, and U4) will be interconnected by a network with a data-transfer speed of 2 Gbit/s, and, to improve accessibility from other buildings, the Central Servers will also be linked to this Cisco module. The Cisco module has a sufficient port capacity to allow future connection of other buildings (i.e. U5, U10).

The university computer network is connected to the CESNET2 academic computer network with a connection speed of 34 MBit/s. The year-end 2002 saw the completion of the connection of the building U2 through fibre-optic cables from the Aliatel and Tiscali Networks (service providers of town-town data links), and, thanks to this fact, TBU's last mile connection is through a high-quality fibre-optic link. Thereby, the ground has been laid for the future increase of TBU's connection speed to the CESNET2 network to up to 1 GBit/s.

5.2 Access to Information Resources

TBU's high-quality I.S./I.T. infrastructure assures access to information resources. In the course of 2002, more than 940 computers were connected to the university computer network, out of which 404 are located in the Computer Teaching Laboratories

and the Internet Study Rooms. The University Halls of Residence have a capacity of 350 connection ports. Currently, 168 students regularly connect their own computers or notebooks to the network.

Number of Computers Connected in Each TBU Building

Table No. 8

Building	Study Rooms, Classrooms, and Teaching Laboratories	Employees
U1 (FT)	28	185
U2 (Rectorate, FaME)	168	195
U3 (IIT FT)	36	40
U4 (FMK, Central Library, Refectories)	144	55
U10 (FT, FaME, FMK)	10	70



Number of Computers Connected in the Halls of Residence

Table No. 9

Building	Capacity	PCs Connected
U6 (Antonínova Halls)	115	50
U7 (Štefánikova Halls)	235	118

In the course of 2002, some 130 new computer systems were purchased through open tenders. These were mainly for the 13 computer teaching labs and the 3 self-access Internet Study Rooms. Two Internet Study Rooms (in the buildings U1 and U2) were completely modernised, and the Internet Study Room in the building U4 was expanded to its designed capacity of 80 PC stations. The

building U2 was enhanced by the construction of a completely new 24-station Study Room.

One Computer Teaching Lab in the building U2 was completely modernised, another was fitted-out with modern presentation technology. A completely new 10-station Computer Teaching Lab was built in the building U10.

5.3 Exploitation of External and Internal Information Systems

The accessibility and exploitation potentials of external information systems are assured by the TBU I.S./I.T. infrastructure, and by the connection of the university to the CESNET2 network, and, via this network, to the Internet. External information systems at TBU are mainly represented by electronic information resources and databases.

The Intranet Information Systems at TBU are composed of the following elements:

- The financial-administrative information system IS EkonFiS
- The studies information system IS Student
- The University Web pages
- The library information system T Series
- The information system for keeping records of publication activities OBD^{PRO}
- The student and employee ID Card system
- The student and employee Access system (to buildings, offices, teaching rooms)
- The catering management system IS Menza 2000
- The accommodation information system IS KaM
- The legal database and information system LexDATA

The accessibility of the internal information resources is given by the Access Rights granted to users of the University databases.

Data contained in the modules of the IS EkonFiS system is processed centrally in the various departments of the Rectorate. Other users are granted differentiated access to selected sections of the individual modules, and can only read the data.

In view of the “moral obsolescence” of the EkonFiS system, preparatory work got under way in June of last year for its replacement. An addendum entitled “The Support of a Co-ordinated Approach by Universities to the Replacement of University Information System” was submitted for inclusion in the Transformation and Development Programme project planned for 2002. Within the framework of this project, a group of eleven public tertiary educational institutions (in the Czech Republic) carried out a market research study on ERP systems. The functional characteristics were tested using concrete samples with concrete data provided by the particular universities. As a consequence, in 2003, a grant application was made for the project entitled “The Renewal and Further Development of University Information System - Information System for Financial and Economic Management”.

Data in the IS Student system is processed by the Student Services Department personnel of each faculty - with limited access granted to Departmental and Institute secretaries. This IS Student system also no longer meets the requirements made of it in view of the development of information technologies. For this reason, a grant application was made to the Transformation and Development Programme 2003 for the project entitled “The Renewal and Further Development of University Information System - Information System for Studies Administration”. The implementation and launch of the new IS system for the studies administration is planned for 2003.

The university's WWW server provides not only information for the general public, but also internal information for students and employees of the university. Parts of this information are collated from the university's EkonFiS and Student systems.

The Identity Cards of both students and employees serve for identification purposes in the Central Library, for access to certain university buildings, or to selected classrooms, offices and other workplaces, as well as for the cashless payment for meals in the refectories. In line with the new TBU Unified Visual Style Codex, the design of the I.D. Cards has been altered.

The OBD^{PRO} Application (Personal Bibliographic Database) has served to significantly automatise, and thereby ease, the recording of publication activities at TBU, and the transfer of such data on publication

activities to the central database systems CEP, CEZ, and RIV.

The T Series Catalogue of the Central Library information system is made accessible on Internet pages through the TinWeb application, and also for mobile telephone users, using WAP technology .

The University's Halls of Residence and Refectories operate an information system for the accommodation of students, and an information system for catering for students and employees.

A novelty for 2002 was the purchase of a multi-licence for the use of the LexDATA (legal data and information system.)

For detailed information about the University Central Library and its services, turn to Chapter 10.4 - Central Library.

5.4 Newly Built-in Elements of the Information Infrastructures

Using a MŠMT grant for the purchase of plant and equipment, a new data server with a disk array of an overall storage capacity of 500GB was purchased for the Faculty of Multimedia Communications and put into operation. This server is used for the storage of great amounts of graphic data arising from student work at FMK (predominantly for the Audio-Visual and Graphic Design Studios). Further, using funds provided by the university itself, a separate server for the Catering and Accommodation Services requirements was purchased and put into operation for the Halls of Residence and Refectories Department. The three central servers were

augmented by the purchase and addition of further hard-disks and memory capacity.

An SNMP module for the central standby power supply (UPS) in the central server housed in the building U2 was also acquired and fitted. The individual servers backed up by this central back-up storage system have been fitted with the appropriate software, enabling these servers to communicate with the UPS through the medium of this SNMP module. Furthermore, the RAV Antivirus system for the centralised protection of electronic mail was purchased and installed on the mail-server.

5.5 E-learning at TBU - Status and Development Plans

In 2002, efforts were directed to the activities associated with the preparation of e-learning forms of tuition in the following areas:

- The creation of the appropriate technical conditions at FaME (both HW and SW) for working with the EDEN Virtual Learning Environment (thanks to a grant by the FRVŠ).
- The training of selected academic employees at FaME in elaborating tuition programmes suitable for delivery in the combined form of studies using the EDEN Virtual Learning Environment.
- The launch of elaboration of tutorial and study materials for a selected Bachelor's Degree study

programme using the EDEN Virtual Learning Environment (MŠMT Development Project).

- The EDEN Virtual Learning Environment will, in due course, be further exploited by the individual faculties of TBU for the realisation of accredited study programmes in the combined form of studies and for study programmes offered within the framework of the Lifelong Learning programme.
- The period 2003-2004 should see the further elaboration of tutorial and other study materials for the combined form of studies for selected Bachelor's and Master's Degree programmes using the EDEN Virtual Learning Environment.



6. Research, Development and Other Creative Activities

6.1 Orientation of R&D Activities

At present, TBU has one research centre at FT, the Polymer Centre, which concentrates on research into polymeric materials and processes. The establishment of a further research unit is currently in the initial phase. Research and Development activities at TBU are oriented on Basic and Applied Research.

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

- To achieve higher productivity in R&D activities.
- To support R&D activities within the framework of the Doctoral Studies programmes.
- To support international R&D collaborative ventures.

- To enlist R&D workers from abroad.
- To strengthen cooperation with other universities and the Institutes of the Czech Academy of Sciences.
- To support collaboration with institutions offering work placements.
- To improve the working and social conditions for students of the Doctoral Studies programmes and for R&D workers.

R&D activities take place within the framework of the TBU faculties. The basic range of R&D activities at FT is set out in Chapter 10.1, those at FaME are presented in Chapter 10.2.

6.2 Organisational, Personnel and Material Support for R&D Activities

R&D activities at the faculties are organised within departments, institutes, and other workplaces according to their orientation. In total, there are 27 Professors, 39 Docents (Associate Professors), 101 Senior Lecturers (Readers) and Lecturers, 6 Research Assistants, and 66 Ph.D. students participating in R&D activities at TBU. The actual personnel structure and organisation of each R&D

team are related to the R&D activities aims and objectives of the MŠMT, and grant projects.

Financing of R&D activities is secured from institutional grants for non-specified R&D activities, and by resources gained from grant projects. The departments also secure part of their financial resources for the support of applied research from the commercial sphere.

6.3 International Collaboration in Research and Development

Since 2002, FT TBU has had a share in the solution of the project set out in the 5th EU Framework Programme: *Radical Environmentally Sustainable Tannery Operation by Resource Management - RESTORM*. Furthermore, it has participated in the solution of four other projects declared within the framework of the Kontakt programme: a) *Study of Enhancement of Compatibilization of Polyolefin-based Materials Through Radiation Processing*, b) *Physical Aging of Polymers*, c) *Electro-rheology of Polymer Suspensions with Controlled Conductivity*, and d) *The Study of Sorption/Desorption Processes of Model Colloid Particles on the Phase Boundary Liquid/Solid Phase*.

Within the framework of the post-Doctoral sabbaticals at the Politecnico di Milano, the Faculty

of Technology has equally had a share in the resolution of the 5th EU Framework Programme *Non-linear and Adaptive Control*.

So far TBU in Zlín has concluded five cooperation agreements with universities from abroad (see Table No. 10). The subject matter of these agreements is also cooperation in R&D activities, which is realised through the medium of two faculties at TBU - FT and FaME. Further agreements on cooperation are currently in the preparatory phase. The individual departments, institutes and workplaces of TBU's faculties collaborate with over sixty foreign partners in all. More details are provided in Chapters 10.1 and 10.2.

Partner University	City	Country	Signed	Validity/Duration
University of Craiova	Craiova	Romania	05. 12. 2001	3 Years
Trent University	Peterborough	Canada	25. 02. 2002	3 Years
East China University of Science and Technology	Shanghai	China	01. 08. 2002	5 Years
Pedagogical State University	Biysk	Russia	20. 11. 2002	Unrestricted

6.4 Examples of Collaboration with the AV ČR, with R&D Institutions, and the Non-Governmental Sector

1. On the basis of a contract on mutual cooperation concluded in 2002 between the Academy of Sciences of the Czech Republic (AV ČR) and TBU in Zlín, a joint laboratory of the Institute of Macromolecular Chemistry (ÚMCH AV ČR) and Polymer Centre of FT was founded in order to conduct research into the solution of issues involving Incompatible Polymer Systems and Filled Polymer Systems. The scientific staff of ÚMCH also participate in the pedagogical processes, and function as supervisors in the Doctoral Degree programme: the Technology of Macromolecular Substances at FT.
2. The Institute of Information Technologies at FT has had a long-term cooperative relationship with the Institute of the Theory of Information and Automation (ÚTIA AV ČR) in the domain of adaptive control systems, and the utilisation of polynomial methods in automated control mechanisms. In course of 2002, they worked together on resolving a joint grant project No. 102/02/0204 "Design of Intelligent Adaptive Control Systems" funded by the Grant Agency of the Czech Republic (GA ČR). The joint team elaborated the manuscripts of two scientific monographs. One of them ("Digital Self-Tuning Controllers: Algorithms, Implementation and Application") is now being prepared for publication by the publishing house Springer-Verlag London Ltd.; the other (Adaptive Multivariable

Control Systems: Algorithms and Implementation) is being prepared for publication by the publishing house VUTIUM, VUT in Brno.

3. The Department of Proteins and Leather Technology at FT collaborated last year with the Archaeological Institute of the Academy of Sciences in Prague (AV ČR). The subject of this research project was the discovery of leather components, waste, and fragments of footwear in the course of archaeological research of the town centre in Most. The outcomes of this research were published in the "Mediaevalia archeologia" issue No. 4, ISBN 80-86124-35-5.

Collaboration with other specialized research institutions:

- The Bast Fibres Research Institute, spol. s r. o., Šumperk
- The Czech Geological Institute, Prague
- The Institute for Testing and Certification, a. s., Zlín
- The Polymer Institute, spol. s r. o., Brno
- SPUR, a. s., Zlín

Collaboration of TBU faculties with specialist organisations and manufacturing enterprises is conducted on the basis of joint grant projects, scientific education and training, field research investigations, etc. Similar activities are being developed with a range of other industrial enterprises.

6.5 Orientation of Research Aims and Objectives

The following MŠMT R&D aims and objectives have been dealt with at TBU:

At the Faculty of Technology:

1. *New Technologies and Ecological Trends in Processing of Natural Polymers, MSM 265200014.*

Oriented on the development and optimisation of recycling technologies. This research involves the recognition of the mechanisms of manufacturing reactions, the quantitative description of the suggested mechanisms, and their verification by experimentation. Projects that involve technological equipment and the design of control algorithms make use of the theory of process engineering, the kinetics of heterogeneous processes, and the theory of transport phenomena.

2. *Progressive Polymeric Systems and Technologies, MSM 265200015.*

This is the most extensive research project under way at TBU, in whose resolution the staffs of five Departments or Institutes have a share, seeking to resolve a whole range of sub-projects oriented towards the basic research aims and objectives. The most significant of these may be considered to be the resolution of bio- and nano-technology issues, and the characterization of polymeric systems from the point of view of their electrical, rheological, processing, surface, and molecular properties.

3. *The Automation of Technologies and Manufacturing Processes, MSM 281100001.*

This research study's aims and objectives involve the problems and issues associated with the monitoring, identification, and control of technological processes in two key areas. In the theoretical area, attention is especially devoted to the theories of higher forms of control system, i.e. adaptive, robust, and optimal control algorithms, including the applications of the principles of Artificial Intelligence. The aims of the research in the applications area are the implementation and verification of the suggested control algorithms under real conditions, and the

research, and development of means of automation and informatics.

4. *Minimisation of the Influences of Industrial Wastes Upon the Environment, MSM 281100002.*

The research aims are concentrated on the biological degradation of plastic materials modified (filled) with waste bio-polymers - i.e. the aerobic and anaerobic disintegration of films made of mixtures of PVA + hydrolysed proteins, the neutralisation of chlorinated ethylene by microbial cultures (defined and industrial), and the neutralisation of hazardous industrial wastes, both solid and liquid, through their stabilisation/solidification (S/S) - basic experimental research into the solidification of salts and ashes from waste-burning stations by means of asphalt emulsions.

At the Faculty of Management and Economics:

1. *Research Into Competitive Abilities of Czech Industrial Manufacturing Enterprises, MSM 265300021.*

The research study's aims and objectives are concentrated on the formulation of the theoretical principles and starting-points for the conception of industrial policy of the future Euro-region in the context of the ongoing globalisation of the Czech economy, and furthermore, on the elaboration of methodological materials for the introduction and implementation of systems for the modernisation of enterprise processes leading to an improvement in their competitive abilities.

At the sitting of the TBU Scientific Board held on 10th April 2002, the research teams submitted their Research Study Reports on the outcomes of their endeavours in the course of 2001. The TBU Scientific Board took this information into consideration, and recommended that they continue with the resolution of the individual research studies. An overview of the research aims and objectives at TBU, as well as the allocated financial resources for 2002, are presented in Table No. 11.

6.6 The Most Significant Research and Development Projects Financed from Specific State Budget Resources

Table No. 11

Programme Code	Title of R&D Support Programme	No. of Projects	Financial Resources Allocated (thousands CZK)
IA	Grants with a Significantly Scholarly or Research Character (AV ČR)	2	453
GA	Standard GA ČR Grants	8	4,383
GP	Post-doctoral GA ČR Grants	8	1,425
ME	KONTAKT MŠMT	4	460
FD	MPO Grants	2	1,000
Total		24	7,721

6.7 TBU's Involvement in Research Projects (Institutional Resources)

Table No. 12

Research Project (Shortened Title)	Financial Resources Allocated (thousands CZK)
New Technologies and Ecological Trends	3,769
Progressive Polymeric Systems and Technologies	12,058
Automation of Technologies and Production Processes	1,793
Minimisation of Influences of Industrial Wastes	2,341
Research into Competitive Ability	2,975
Total	22,936

In the course of 2002, the MŠMT allocated our university 10,047 thousand CZK in institutional financial resources for unspecified research purposes. Out of this sum, 1 million CZK was allocated to the university's internal fund for scientific and artistic activities (the support of the issuing of scientific publications, the purchase of software for the university-wide usage, contributions towards the holding of scientific conferences, the support of further development of the Central Library and the study-rooms). A further 1 million CZK was allocated for the acquisition of scientific and technical information resources (i.e. scientific and technical information databases, centralised purchasing of foreign magazines

and journals, the technical improvement of the Central Library's computer technologies.) The remainder of the resources for unspecified research purposes was allocated to the faculties using an algorithm suggested by the MŠMT in the following manner:

- 40 % to the Deans' Fund
- 30 % to the Fund for Students of the Doctoral Degree programmes
- 30 % to the research teams working on R&D projects

The Faculty of Technology received the sum of 7,165 thousand CZK, and the Faculty of Management and Economics the sum of 882 thousand CZK.

In 2002, there were 224 academic employees working at TBU. The personnel structure was made up of a total of 27 Professors, 39 Associate and Assistant Professors, 100 Senior Lecturers (Readers), 52 Assistant Lecturers, and 6 scientific staff members:

- The Faculty of Technology employed 112 academic staff members, out of which 16 were Professors, 18 Associate and Assistant Professors, 49 Senior Lecturers (Readers), 23 Assistant Lecturers, and 6 scientific staff members.
- The Faculty of Management and Economics employed 78 academic staff members, out of which 9 were Professors, 14 Associate and Assistant Professors, 34 Senior Lecturers (Readers), and 21 Assistant Lecturers.
- The Faculty of Multimedia Communications employed 34 academic staff members, out of which 2 were Professors, 7 Associate and Assistant Professors, 17 Senior Lecturers (Readers), and 8 Assistant Lecturers.

Age Structure of Academic Employees at TBU

Table No. 13

Age	Pedagogical Employees					R&D Workers
	Professors	Assoc. Professors	Senior Lecturers	Assistant Lecturers	Lecturers	
Under 29	0	0	3	33	0	1
30-39	0	1	19	17	0	1
40-49	0	7	29	2	0	2
50-59	7	17	35	0	0	0
60-69	15	10	14	0	0	1
Over 70	5	4	0	0	0	1

Numbers of External and Internal Employees at TBU

Table No. 14

Employees		Pedagogical Employees					R&D Workers
		Professors	Assoc. Professors	Senior Lecturers	Assistant Lecturers	Lecturers	
Internal	Individuals	27	39	100	52	0	6
	Ratio	21.96	37.375	94.82	49.6	0	5.38
External	Individuals	6	15	42	51	0	0
	Ratio	2.2	7.6	19.8	15.5	0	0

Trends that TBU has concentrated on in its long-term aims and objectives:

- Increasing the number of Associate or Assistant Professors and Professors under 40, or under 50.
- Increasing the share of foreign specialists involved in scientific endeavours at TBU.
- Increasing the share of foreign specialists involved in pedagogical activities at TBU.

Three of TBU's academic employees successfully completed their Habilitation Procedures in 2002. Ing. Dr. Vladimír Pavlínek and Ing. Jiří Maláč, CSc., were habilitated at FT Zlín in The Technology of Macromolecular Materials, and Ing. Dr. Drahomíra Pavelková was habilitated at the Faculty of Economics of the Technical University in Liberec in Enterprise Economics and Management.

Further education of the academic staff of TBU is dealt with in greater detail in the individual plans for the

personal and career development of all academic employees at TBU. Apart from the specifically focused professional development of each employee, emphasis is placed on three common areas where professional improvement is necessary:

- Language Skills - with emphasis on the ability to use English as the second language for communication at TBU.
- Information Technology - with emphasis on the utmost exploitation of the possibilities offered by PCs, the Internet, the Intranet, and all information databases in pedagogical and scientific R&D activities.
- The exploitation of multimedia tools to increase the effectiveness of the tuition processes, in both the full-time and combined forms of studies.

The ability to communicate in English and the ability to work with information technologies are pre-requisites for all newly recruited employees.

8. Evaluation of the Activities of TBU

TBU, as a newly created university, is currently undergoing a period of significant growth in the numbers of its students, the numbers of its academic employees, and the rapid development and expansion of the range of study programmes it offers. In the interests of a continuous increase in the quality of the educational and R&D activities, TBU devotes great attention to the evaluation of the quality of its results – both externally and internally. The content, forms and conditions of the evaluation processes are specified in the Statutes of TBU and in the Long-term Aims and Objectives of TBU for the period 2001 to 2005.

The Faculty of Technology, the Faculty of Management and Economics, and the Faculty of Multimedia Communications have all successfully undergone externally-conducted educational quality evaluation performed by the Accreditation Commission of the Czech Government in connection with the evaluation of their applications for the accreditation or re-accreditation of all of their Study Programmes. FaME was successful in gaining accreditation of its newly instituted Doctoral Studies programme Economics and Management. This enabled TBU to offer courses at all three levels of tertiary education in 2002 at both FT and FaMe, i.e. Bachelor's, Master's and Doctoral Degree programmes, in both full-time and combined forms of studies. FT was equally successful in obtaining the accreditation of its Habilitation Procedure and Procedures for nominating and elevating successful candidates to the status of Professor. After fulfilling the set conditions in the course of 2002, it is planned that FaME will apply for the accreditation of Habilitation Procedures in 2003.

External evaluation of the activities of the Faculties in 2002 was also realised in the context of the opposition proceedings for the evaluation of the results and outcomes of the individual R&D Aims and Objectives projects funded by MŠMT, research projects funded by the Grant Agency of the Czech Republic (GA ČR), or those funded by other grant agencies, as well as the solution of tasks set by the Czech Universities Development Fund (FRVŠ). The majority of the R&D research project results and outcomes were evaluated as Very Good.

The internal evaluation of the quality of the TBU activities was at the individual faculties focused chiefly on checking the fulfilment of the resolutions specified in the Accreditation Procedure Reports for the individual

study programmes. Great attention was also devoted to regular assessment of the individual courses that make up the study programmes, both by the Faculties and by students. The students' assessment was ensured in close cooperation with the representatives of the Student Union, and the conclusions drawn from this evaluation serves as feedback information helping to improve the quality of the courses, as well as the pedagogical performance of individual academic employees.

Regular individual assessment of the academic staff is focused on:

- Evaluation of their pedagogical performance (including evaluation by students).
- Evaluation of publications.
- Education of talented students.
- Involvement on behalf of the Faculty or the University.
- Evaluation by superiors.

Conclusions drawn from these evaluations are used for the annual updating of the plans for individual personal growth and career development of each academic employee.

In conclusion, let us list strengths and weaknesses, opportunities and threats at TBU:

- Strengths: The significant standing of TBU in the Region; the potential for the development of academic employees; the good rate of Graduate placement; interest in studying at TBU; the qualifications structure of the academic employees of TBU.
- Weaknesses: The age structure of the academic employees of TBU; the inadequate evaluation of academic employees; the insufficient transportation infrastructure in the Region; the lack of sufficient academic staff on the labour market.
- Opportunities: The active participation of TBU in the development of the Region; the interest of the Region authorities in cooperation with the University; the close cooperation between TBU and local industry; the development of Lifelong Learning programmes at TBU; the university's participation in development and transformational projects financed by MŠMT and other government departments, or financed from EU sources.
- Threats: The fast moving development of TBU in relation to the quality and stability of its activities; lack of financial resources for the development of the quality of education and infrastructure at TBU; preparedness of TBU for its entry into the international educational and creative environment.

9. International Collaboration in Educational Activities

TBU has been involved in the EU Socrates/Erasmus educational programmes since 2001. The European Commission for the Administration of Educational Programmes, working under the EU in Brussels, allocated TBU in Zlín the identification code: CZ ZLIN01. On the basis of contracts concluded between universities from EU countries, an institutional contract for the academic year 2002/2003 was drawn up between TBU and the European Commission for the Administration of Educational Programmes under the aegis of the EU in Brussels.

A list of educational programmes is shown in Tables No. 15 and 16.

In November 2002, an application for the Erasmus University Charter (EUC) was submitted to the

SOCRATES, LEONARDO & YOUTH Technical Assistance Office in Brussels. The validity of the EUC is for the period from 2003/2004 to 2006/2007 inclusive. The EUC entitles TBU in Zlín to apply to the European Commission for the support of international projects, and to the Czech National Agency for the financing of mobility activities within the framework of the Erasmus programme.

In the course of the assessed period, 82 students of Doctoral Degree programmes and 145 pedagogical staff travelled abroad on sabbaticals or to international conferences. TBU hosted 34 students and 25 pedagogical staff from foreign universities on sabbaticals or study stays.

EU Programmes for Education and Preparation for Employment

Table No. 15

Programme	Socrates				Leonardo
	Socrates- Erasmus	Comenius	Grundtvig	Lingua Minerva	
No. of Projects	1				1
No. of Students Sent Abroad	7				0
No. of Students Received	2				0
No. of Academics Sent Abroad	1				2
No. of Academics Received	1				0

Other Programmes

Table No. 16

Programme	Other		
	Ceepus	Aktion	Other
No. of Projects	1	1	1
No. of Students Sent Abroad	6	0	7
No. of Students Received	4	25	0
No. of Academics Sent Abroad	5	4	0
No. of Academics Received	2	2	0

Other Sabbaticals Spent Abroad

Table No. 17

Programme	Government Scholarship	Direct Inter-university Cooperation	
		In Europe	Outside Europe
No. of Students Sent Abroad	0	5	4
No. of Students Received	2	0	1
No. of Academics Sent Abroad	0	13	3
No. of Academics Received	0	18	5



10. Activities of the Faculties and Other Departmental Entities

10.1 Faculty of Technology

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Prof. Ing. Antonín KLÁSEK, DrSc.,

Vice-Dean for R&D, Statutory Deputy

Doc. Ing. Roman PROKOP, CSc.,

Vice-Dean for Pedagogical Activities

Doc. Ing. Stanislav KAFKA, CSc.,

Vice-Dean for External Relations

Academic Senate of FT

Ing. Tomáš SYSALA, Ph.D. – *Chairman*

FT Representative to the Assembly of the Czech Council of Higher Education Institutions

Doc. Ing. Stanislav KAFKA, CSc.

Scientific Board

Doc. RNDr. Jiří DOSTÁL, CSc. – *Chairman*

Secretary

Ing. Jan JANDÍK

Chairmen of the Study Programmes Boards

Doc. Ing. Petr HLAVÁČEK, CSc. – *Chemistry and Materials Technology*

Doc. Ing. Miroslav MAŇAS, CSc. – *Process Engineering*

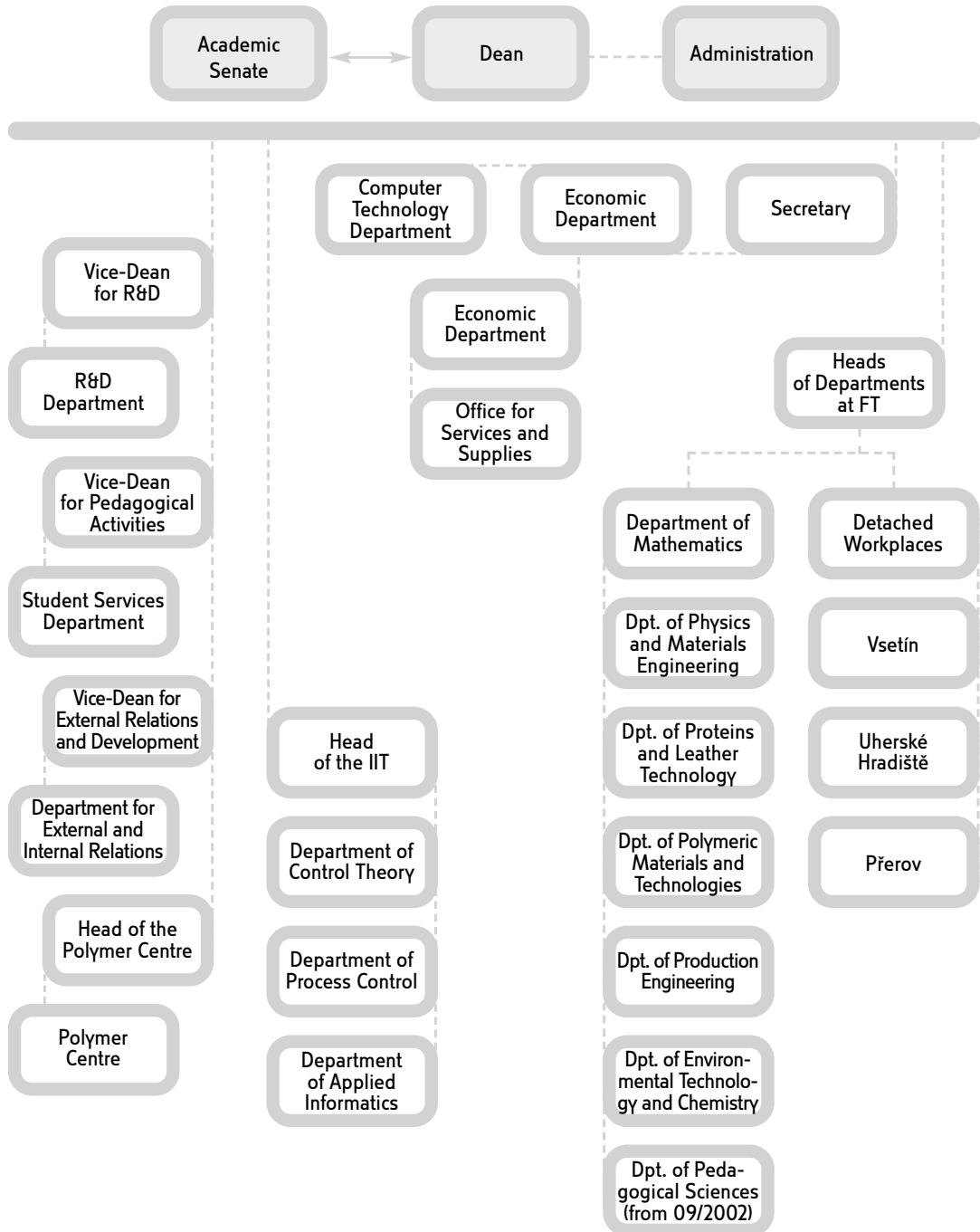
Doc. Ing. Vladimír VAŠEK, CSc. – *Chemical and Process Engineering, Engineering Informatics*

Chairmen of the Board for Doctoral Degree Courses

Prof. Ing. Petr DOSTÁL, CSc. – *Technical Cybernetics*

Doc. Ing. Josef ŠIMONÍK, CSc. – *Technology of Macromolecular Substances*

10.1.1 Organisational Structure



10.1.2 Departments, Institutes and Research Centres

Department of Physics and Materials Engineering (ÚFMI)

Head: Doc. Ing. Lubomír LAPČÍK, CSc.

Department of Mathematics (ÚM)

Head: Doc. RNDr. Josef ZEDNÍK, CSc.

Department of Polymeric Materials and Technologies (ÚPMT)

Head: Doc. Ing. Josef ŠIMONÍK, CSc.

Department of Environmental Technology and Chemistry (ÚTŽPCH)

Head: Doc. Ing. Jaromír HOFFMANN, CSc.

Department of Proteins and Leather Technologies (ÚTBK)

Head: Doc. Ing. Petr HLAVÁČEK, CSc.

Department of Production Engineering (ÚVI)

Head: Doc. Ing. Miroslav MAŇAS, CSc.

Department of Pedagogical Sciences (ÚPV)

Head: Prof. PhDr. Vlastimil ŠVEC, CSc.

Institute of Information Technologies (IIT)

Head: Doc. Ing. Vladimír VAŠEK, CSc.

Polymer Centre (CPM)

Head: Prof. Ing. Petr SÁHA, CSc.

10.1.3 Study Programmes

Bachelor's Degree Programmes

2808-B: Chemistry and Materials Technology (CHTM)

full-time and combined studies

Courses:

Technological Equipment

Shoemaking Technology (Guaranteed by

TBU, taught at VOŠ Zlín)

2807-B: Chemical and Process Engineering (CHPI)

full-time and combined studies

Courses:

Automation and Process Control

Automation and Informatics

3902-B: Engineering Informatics (II)

full-time and combined studies

Courses:

Automatic Control and Informatics

Information Technologies

Information Technologies

- Security Technologies,

Systems and Management

3909-B: Process Engineering (PI)

full-time studies

Course:

Technological Equipment

7501-B: Pedagogy (SP)

combined studies

Course:

Social Pedagogy

Follow-up Master's Degree Programmes

2808-N: Chemistry and Materials Technology

full-time studies

Course:

Technology of Leather, Plastics, and Rubber

2807-N: Chemical and Process Engineering

full-time studies

Course:

Automation and Process Control in the

Consumer Industry

Master's Degree Programmes

- 2808-M: Chemistry and Materials Technology
full-time studies
Course:
Technology of Leather, Plastics, and Rubber
- *Specialization: Shoewear and Leather Goods Technologies*
Rubber and Plastics Technologies
Proteins Technology
Environmental Technology
Materials Engineering
Technology and Management
- *Specialization: Shoewear and Leather Goods Technologies*
Rubber and Plastics Technologies
- 2807-M: Chemical and Process Engineering
Course:
Automation and Process Control in Consumer Industry

Doctoral Degree Programmes

- 2807-P: Chemical and Process Engineering
full-time and combined studies
Course:
Technical Cybernetics
- 2808-P: Chemistry and Materials Technology
full-time and combined studies
Course:
Technology of Macromolecular Substances
- 1407-P: Chemistry
full-time and combined studies
Course:
Technology of Macromolecular Substances

Applicant Interest in the FT Bachelor's Degree Programmes

Table No. 18

Course	Study Programme Code	Applications	Number		Actually Started
			Sat the Entry Exams	Accepted into 1 st Year of Bachelor's Programme	
CHTM	2808	324	251	195	146
CHPI	2807	51	47	41	61*
II	3902	650	522	349	270
PI	3909	185	156	150	119
SP	7562	1,048	989	120	120
Total		2,258	1,965	855	716

* 20 students who had successfully passed their entrance exams for the programme Informatics for Engineering but were not accepted, were - on their request - transferred into the programme Chemical and Process Engineering.

Number of Students at FT

Table No. 19

Course	Study Programme Code	Study Programme			Students Total
		Bachelor's	Master's	Doctoral	
CHTM	2808	255	251	68	574
CHPI	2807	107	117	38	262
II	3902	379	-	-	379
PI	3909	154	-	-	154
SP	7562	120	-	-	120
Total		1,015	368	106	1,489

Number of Foreign Students at FT – Including Students from Slovakia

Table No. 20

Course	Study Programme Code	Study Programme			Students Total
		Bachelor's	Master's	Doctoral	
CHTM	2808	13	12	-	25
CHPI	2807	3	-	-	3
II	3902	23	-	-	23
PI	3909	1	-	-	1
SP	7562	-	-	-	-
Total		40	12	-	52

Graduate Numbers from FT

Table No. 21

Course	Study Programme Code	Graduates from Study Programme			Students Total
		Bachelor's	Master's	Doctoral	
CHTM	2808	13	83	9	100
CHPI	2807	30	30	2	65
II	3902	-	-	-	-
PI	3909	-	-	-	-
SP	7562	-	-	-	-
Total		43	113	11	165

Legend: CHTM - Chemistry and Materials Technology; CHPI - Chemical and Process Engineering; II - Engineering Informatics; PI - Process Engineering; SP - Social Pedagogy

Commentary

Four students gained their Diplomas with Distinction in the Bachelor's Degree programme. Six were awarded The FT Dean's Award for excellent Bachelor's Dissertations.

In the Master's Degree programme, 15 students were awarded their Diplomas with Distinctions. The FT Dean's Award was awarded to 13 students for their outstanding Dissertations. Other prizes awarded were the TAJMAC-ZPS Prize, the TBU Trust Award, The TBU Rector's Award, the Mayor of Zlín's Award, and the Czech Shoemaking Association's Award.

Bachelor's Degree programmes conducted off the TBU campus

In 2002, the Faculty of Technology inaugurated a full-time Bachelor's Degree programme in Process Engineering (3909-B) at the detached workplace at the Secondary Technical School in Uherské Hradiště (16 students), and a full-time Bachelor's Degree

programme in Engineering Informatics (3909-B) at the detached workplace at the Secondary Technical School in Přerov (19 students).

At the detached workplace at the Secondary Technical School in Vsetín, a full-time Bachelor's Degree programme in Process Engineering (3909-B), initiated in 2001, continues to run. In 2002, 42 students registered for the 1st year.

Students from these detached workplaces commute to lectures in Zlín once a week, with the other pedagogical activities taking place at the detached workplaces.

In October 2002, a combined Bachelor's Degree programme in Pedagogy with its specialisation in Social Pedagogy was begun. Currently, there are some 120 students mainly drawn from the Ministry of Justice and the Ministry of the Interior of the Czech Republic. These studies are conducted through the mediation of the Institute of Interdisciplinary Studies in Brno.

10.1.4 Innovation and Accreditation of Study Programmes; Students' Success in the Labour Market

All study programmes offered at FT have undergone innovation in the sense of being brought into line with the 3+2+3 studies structure (in agreement with the Bologna Declaration), accredited or re-accredited. The traditional study programme Chemistry and Materials Technology was expanded by courses: Polymeric Materials and Technologies, and Technology of Proteins.

Further, these new study programmes were accredited: Engineering Informatics, and Process Engineering (with courses: Design of Technological Equipment, Production Engineering, and Quality Control). Thus, the possibilities for TBU graduates' successful employment placement are enhanced.

FT has sufficient pedagogical and R&D capacity to implement the new courses.

New directions in the preparation of pedagogical staff

In the course of 2002, the new Department of Pedagogical Sciences was inaugurated at FT, headed by Prof. PhDr. V. Švec, CSc. The aim of this department is to contribute towards the preparation of pedagogical staff for all levels of education, and to

improve the chances of FT graduates in the labour market.

In the first stage, a follow-up two-year Master's Degree course in Teaching Informatics at secondary and primary schools was prepared for accreditation. This course is intended for Bachelor's Degree holders who have graduated from a course of studies in the Informatics (I.S./I.T.) disciplines.

In addition, the department will provide tuition of the Bachelor's Degree course Social Pedagogy, in both full-time and combined forms. In order to expand the range of courses offered, and in order to fill a gap in the labour market, FT has offered a course in Security Technologies, Systems, and Management for the last two years - 54 students are currently studying in the first and second years of this programme. Graduates will find employment in Security Companies and Agencies.

Study opportunities for the Disabled

FT has specially prepared materials for accreditation of the study programme Information Technologies with its specialised course in Engineering Informatics to serve the needs of the disabled students.

10.1.5 Research and Development

The main objectives of R&D activities were directed to the following areas:

- The Characteristics of Polymer Systems
- The Processing of Collagen-based Raw Materials
- The Issues of Healthy Footwear
- The Process Control
- The Minimisation of the Influence of Industrial Wastes on the Environment
- Implicit Pedagogical Knowledge

Research at FT is organised into a single R&D research centre (the Polymer Centre), six departments, and one institute, according to their orientation. The financial resources for the R&D activities come from MŠMT grants for non-specific research projects, and grants for solution of research projects, including international projects.

10.1.6 Orientation of R&D at FT

Polymer Centre (CPM)

- Applied Rheology, Modelling of Polymer Melts Flows
- Electrical Characteristics of Composite Materials
- Electrorheology

- Rheology of Dispersion Polymer Systems
- Rheology of Recyclable Polymers
- Rheology of Highly Filled Systems
- Structural Relaxation of Polymeric Materials

- Study, Preparation, Characteristics, and Applications of Filled Polymer Systems
- Development of Biodegradable Materials
- Molecular Structural Changes of Polymer Systems
- Molecular Characteristics of Heterostructural Polymeric Materials

Department of Physics and Materials Engineering (ÚFMI)

- Applied Acoustics and Mechanics of Bodies
- Computer Modelling
- Characterisation of Dielectric Properties of Materials
- Sorption/Desorption Phenomena at the Solid/Liquid and Solid/Gas Interface
- Applied Plasma Chemistry and Physics of Plasma
- Preparation and Characterisation of Thin-layers
- Measurement of Tensile Behaviour of Materials
- Applied Colloidal and Surface Chemistry

Department of Mathematics (ÚM)

- Differential Equations
- Universal Algebra and Theory of Unions
- Numerical Mathematics - Final Elements Method
- University and Secondary School Didactics of Mathematics

Department of Polymeric Materials and Technologies (ÚPTM)

- Preparation of Nano-composite Polymer/Clay Systems
- Thermo-fixation Technology, Modelling of Basic Technological Units
- Continuous Measurement of Electrical Characteristics in Processes
- Extrusion and Unstable Flows of Polymers
- Composites with Polymer Matrices and Their Properties - Pultrusion Technology
- Thermo-mechanical Analysis of Polymer Systems
- Structures and Properties of Liquid Crystals
- Intelligent Polymeric Materials
- Flow Inducted Crystallisation
- Chemical Recycling

Department of Proteins and Leather Technology (ÚTBK)

- Studies of the Creation and Properties of Inter-macromolecular Complexes on the Basis of Biopolymers
- Reaction of Biopolymers with Surface Active Materials

- Utilization of Proteins and Other Wastes from Leatherworking and Meat Processing Industries
- Healthy Footwear, Development and Testing of Special Prophylactic Shoes for Diabetics
- Adhesion and Adhesives in Shoemaking, and Their Optimisation
- Studies of Historical Samples of Footwear and Products Made of Leather

Department of Environmental Technology and Chemistry (ÚTŽPCH)

- Applications of Methodologies for the Assessment of Xenobiotics
- Remedial Treatment of Waters Contaminated by Chlorinated Hydrocarbons
- The Evaluation of the Biodegradation of Polymeric Materials in Aerobic Environments
- Deproteinisation of Chrome Tanning Wastes from the Enzymatic Hydrolysis of Shavings
- Applications for Leatherworking Industry Protein Waste Hydrolysis Products
- Studies Into Climatic Change Evolutions and Natural Conditions of Central Asia
- Solid Waste Stabilisation/Solidification Using Inorganic and Organic Binding Agents
- Biological Eco-toxicity Tests of Stabilisation/Solidification Processes Effectiveness Evaluations
- Studies into the Preparation and Reactions of Quinoline Derivates
- Studies into the Properties of Diluted Solutions of Synthetic Macromolecular Materials

Department of Production Engineering (ÚVI)

- Modelling of the Mechanical Behaviour of Polymers and Composites with Polymer Matrices
- Modelling and Simulation of Polymer Melt Flows in Injection Mould Cavities
- Machinability of Polymers and Composites with Polymer Matrices, and Metals
- Tool Construction and Technological Conditions Influence on Polymer Product Properties

Department of Pedagogical Sciences (ÚPV)

- Implicit Pedagogical Knowledge and the Possibilities of the Autoregulation of its Development Process
- Problematic Pedagogic Situations in Teaching Practice and Ways of Perfecting Their Resolution
- Socially Negative Phenomena (Aggression, Addictive Behaviour) and Their Prevention

Institute of Information Technologies (IIT)

- Resolving Control Problems with Continuous Linear and Non-linear Technological Processes Including the Application of Artificial Intelligence Principles
- Resolving Decentralised Monitoring and Control Systems Based on Microcomputers, Programmable Automated Machinery (Robots) and Industrial Computers
- Design and Realisation of Single-purpose Microcomputer Applications

- Modelling of Processes in Leatherworking Wastes Treatment
- Instrumentation Technology, Non-electric Variables Scanning, and Signal Processing
- Automation and Control of Combined Electrical Energy and Heat Production; Heating Distribution Control
- Development of Information Technologies, Software, Database Systems, and the Computerised Processing of Sounds and Pictures

Note: abbreviations used as in Table No. 25

Involvement of FT Departments in R&D Projects

Table No. 22

Grant Provider / Type of Project	Number of Projects	Resource Allocation (in thousands CZK)
COPERNICUS	1	0
Grant Agency of the Czech Republic (GA ČR)	16	5,807.8
Grant Agency of the Academy of Sciences of the Czech Republic (AV ČR)	2	483
Ministry of Education of the Czech Republic (MŠMT)		
- Research Projects	4	19,961
- ME - KONTAKT	4	460
Ministry of Trade and Industry of the Czech Republic	2	1,000

In the course of the evaluated period, the Faculty's R&D workplaces collaborated with more than 70 recognised foreign partners, and with 5 domestic partners (especially R&D workplaces of the Academy of Sciences of the Czech Republic) in the enterprise, industry, and R&D spheres.

Important Conferences and Seminars

Table No. 23

Title	Character	Date	Guarantor	No. of Participants
The Automation of Energy Generation Processes 2002	5 th International Conference	21.-22. 05. 2002	Prof. Ing. Jaroslav Balátě, DrSc.	100

The following Departments also participated in the organization of conferences:

- **Department of Physics and Materials Engineering:** International Conference: ICCE-9, San Diego, USA; International Conference ELKIN 2002, Krakow, Poland.
- **Department of Polymeric Materials and Technologies:** International Slovak Rubber Conference 2002, Púchov, Slovakia.

- **Polymer Centre: international conference Medical Plastics 2002;** International Conference Injection Moulding 2002; International Pharmaceutical and Medical Packaging Conference 2001 - all held in Denmark.

A Students' Scientific Conference was held in 2002, with two special interest groups - Chemistry and Technology, held on 6th December 2002, and Computer Technology and Its Technical Applications, held on 10th December 2002.

10.1.7 Successful Doctoral Studies Graduates at FT in 2002

Table No. 24

Doctoral Student	Title of Dissertation	Supervisor	Defence
Ing. Miroslav Matýsek	The use of computer Network for the monitoring and controlling of technological processes	Prof. Ing. V. Bobál, CSc.	15. 01. 2002
Mgr . Milan Adámek	The measurement of light gas flow	Prof. Ing. J. Balátě, DrSc.	12. 06. 2002
Ing. Martina Černeková	Optimalization of prophylastic influences of special footwear for diabetics	Doc. Ing. P. Hlaváček, CSc.	06. 06. 2002
Ing. Jana Pavlačková	Internal volume of children's footwear in relation to the character of material used, shoe cut, growth of children's foot and movement activities of children	Prof. Ing. M. Mládek, CSc.	06. 06. 2002
Ing. Anežka Lengálová	Investigation into the efficiency of some electrorheological fluids	Prof. Ing. P. Sába, CSc.	24. 06. 2002
Ing. Marek Šild	Stabilization / solidification of industrial wastes using asphalt emulsions	Doc. Ing. M. Vondruška, CSc.	18. 09. 2002
Ing. Lukáš Plaček	The behavior of plastic profiles after exiting extrusion die	Doc. RNDr. J. Vlček, CSc., external supervisor	23. 09. 2002
Ing. Petra Škabrahová, née. Samsonková	The study of the polymer material behavior inside a single screw extruder with consideration of feeding zone	Doc. RNDr. J. Vlček, CSc., external supervisor	23. 09. 2002
Ing. Martin Obadal	Preparation of polymers with controlled supermolecular structure	Doc. Ing. K. Stoklasa, CSc.	26. 09. 2002
Ing. Milan Žaludek	Modelling and research of mechanical and thermomechanical behavior of composite structure based on injected molding polymers matrix	Doc. Ing. O. Šuba, CSc.	30. 10. 2002
Ing. Vladimír Cetkovský	Noise lowering and impact attenuating waste rubber based materials	Doc. Ing. S. Vašut, CSc.	31. 10. 2002
Ing. Dagmar Měřínská	Polymer nanocomposites based on organofilized clays	Doc. Ing. J. Šimoník, CSc.	09. 12. 2002
Ing. Hana Menclová	Creation and characteristics of polyelectrolytic complexes gelatine/carbomethylcellulosis	Prof. Ing. M. Mládek, CSc.	09. 12. 2002



10.1.8 FT Publication Activities 2002

Table No. 25

	Character	ÚFMI	ÚM	ÚPMT	ÚTBK	ÚTŽPCH	ÚVI	IIT	CPM	ÚPV	Total
1	Monographs in an intern. language	0	0	0	0	0	0	2	0	0	2
2	Monographs in Czech	2	0	0	0	0	1	0	0	2	5
3	Papers in intern. scientific journal abstracted in the Web of Science database or with IF	4	0	9	12	11	2	1	9	0	48
4	Contributions in other international journals	11	0	2	0	0	2	6	3	0	24
5	Contributions in Czech or Slovak journals	6	2	3	6	11	2	12	0	5	47
6	Contributions at Conferences abroad in an intern. language	10	5	18	16	24	14	67	24	1	179
7	Contrib. at domestic Conferences	0	0	7	16	12	10	34	4	7	90
8	Other - e.g. Engineering works, software products, patents	0	0	0	5	0	0	13	0	0	18
9	Teaching Texts	0	0	0	5	5	4	0	0	0	14
10	Disertation	1	0	4	3	1	1	2	1	0	13

Legend: ÚFMI - Department of Physics and Materials Engineering. ÚM - Department of Mathematics. ÚPMT - Department of Polymeric Materials and Technologies. ÚTBK - Department of Proteins and Leather Technologies. ÚTŽPCH - Department of Environmental Technologies and Chemistry. ÚVI - Department of Production Engineering. IIT - Institute of Information Technologies. CPM - Polymer Centre. ÚPV - Department of Pedagogical Sciences.

10.1.9 Habilitation Procedures in 2002

Table No. 26

Name, Titles	Specialisation	Appointed at	Date
Dr. Ing. Vladimír Pavlínek	Technology of Macro-molecular Substances	FT TBU	27. 09. 2002
Ing. Jiří Maláč, CSc.	Technology of Macro-molecular Substances	FT TBU	09. 12. 2002



10.2 Faculty of Management and Economics

Address:

Tomas Bata University in Zlín, Faculty of Management and Economics, Mostní 5139, 760 01 Zlín
Tel. 00420 576 032 120, www.fame.utb.cz

Dean

Doc. PhDr. Vnislav NOVÁČEK, CSc.

Vice-Deans

Ing. Roman BOBÁK, Ph.D.,

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

PhDr. Milan MIKULÁŠTÍK, Ph.D.,

Vice-Dean for Full-time Studies

Dr. Ing. Drahomíra PAVELKOVÁ,

Vice-Dean for Combined Studies

RNDr. Bedřich ZIMOLA,

Vice-Dean for Foreign Relations

Academic Senate

Ing. Vratislav KOZÁK, Ph.D. – *Chairman*

FaME Representative to the Czech Council of Higher Education Institutions

Doc. PhDr. Ing. Aleš GREGAR, CSc.

Scientific Board

Doc. PhDr. Vnislav NOVÁČEK, CSc. – *Chairman*

Bursar

Ing. Jiří VLK

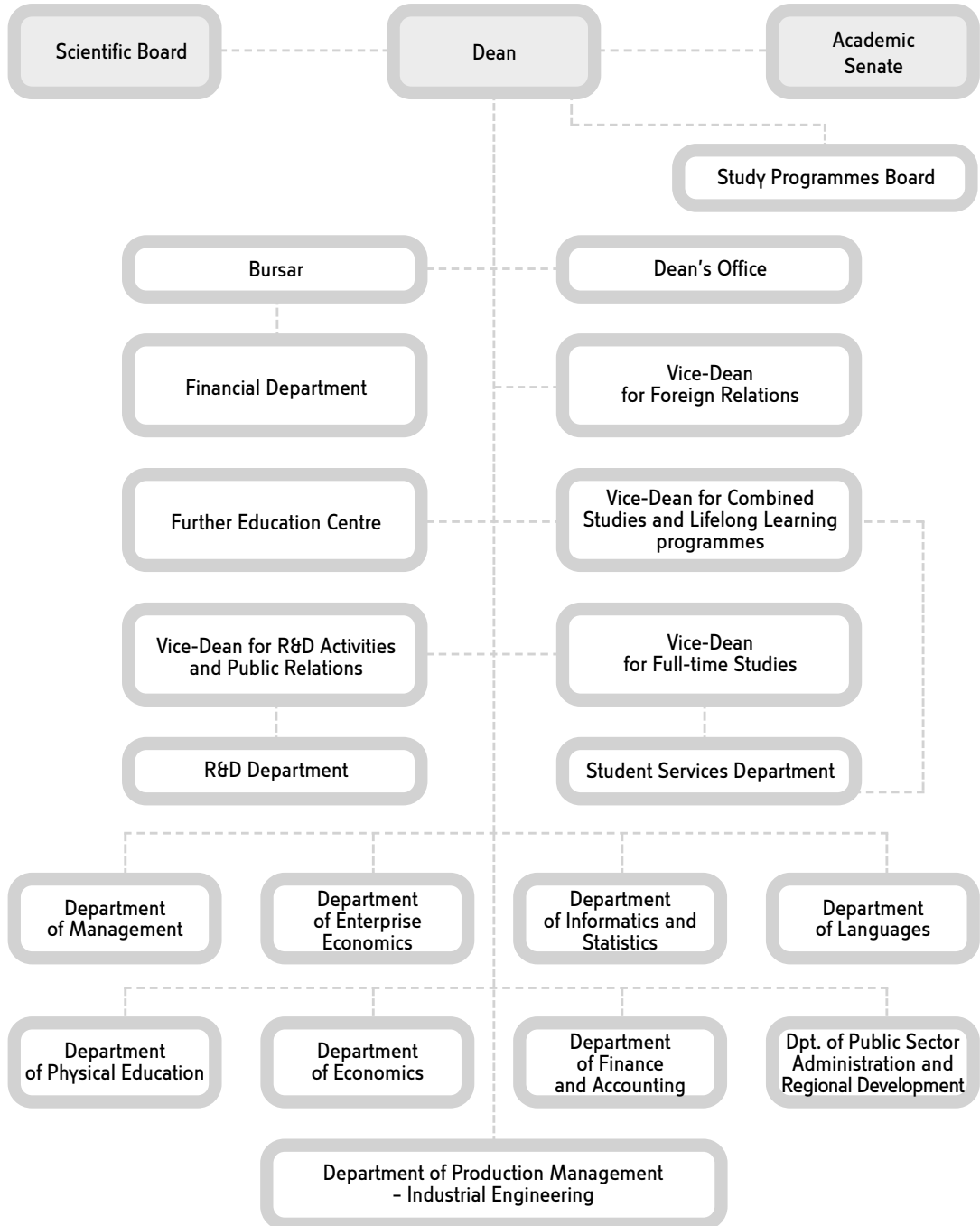
Chairman of the Study Programmes Board and the Lifelong Learning Board

Doc. PhDr. Alois GLOGAR, CSc.

Chairman of the Doctoral Degree Courses Board

Prof. Ing. František TRNKA, CSc.

10.2.1 Organisational Structure



10.2.2 FaME Departments

Department of Economics

Head: Ing. Jitka KLOUDOVÁ, Ph.D.

Department of Management

Head: Prof. Ing. Ján PORVAZNÍK, Ph.D.

Department of Finance and Accounting

(Interim) Head: Ing. Zdeněk RAŠKA
(From 01. 10. 2002)

Department of Enterprise Economics

Head: Ing. Miroslav VRÁBLÍK

Department of Informatics and Statistics

Head: Prof. Ing. Zdeněk MOLNÁR, CSc.

Department of Languages

Head: Mgr. Ludmila KOLÁŘOVÁ

Department of Physical Education

Head: Mgr. Zdeněk MELICHÁREK

Department of Public Sector Administration and Regional Development

Head: Doc. RNDr. René WOKOUN, CSc.

Department of Production Management - Industrial Engineering

Head: Ing. Roman BOBÁK, Ph.D.

Further Education Centre

Head: RNDr. Bedřich ZIMOLA

10.2.3 Study Programmes

Bachelor's Degree programmes

B 6208 Economics and Management (ME)
full-time and combined studies
Courses:
Management and Economics (ME)
Marketing (MAR) - joint-programme with the
Business College in Zlín (VOŠ)
Financial Management of Enterprises (FŘP) -
joint programme with the Business College in
Zlín (VOŠ)

B 6202 Economic Policy and Administration (HPS)
full-time and combined studies
Course:
Public Sector Administration and Regional
Development (VSRR)

Master's Degree programme

N 6208 Economics and Management (EM)
full-time
Courses:
Management and Marketing
Enterprise Economics
Industrial Engineering

Doctoral Studies programme

P 6208 Economics and Management (EM)
full-time and combined studies
Course:
Management and Economics

Applicant Interest in the FaME Bachelor's Degree Programmes

Table No. 27

Course	Study Programme Code	Applications	Numbers		Actually Started
			Sat the Entrance Exams	Accepted into 1 st Year Bachelor's Studies Progr.	
EM	6208 R	1,866	1,341	407	294
MAR	6208 R	351	273	161	130
FŘP	6208 R	352	274	162	131
VSRR	6202 R	316	228	124	103
Total		2,885	2,116	854	658

Number of Students at FaME

Table No. 28

Course	Study Programme Code	Study Programme			Students Total
		Bachelor's	Master's	Doctoral	
EM	6208 R	966	-	-	966
MAR	6208 R	301	-	-	301
FŘP	6208 R	368	-	-	368
VSRR	6202 R	125	-	-	125
MM	6208 T	-	195	-	195
PE	6208 T	-	163	-	163
PI	6208 T	-	48	-	48
EM	6208 T	-	-	64	64
Total		1,760	406	64	2,230

Number of Foreign Students at FaME - Including Students from Slovakia

Table No. 29

Course	Study Programme Code	Study Programme			Students Total
		Bachelor's	Master's	Doctoral	
EM	6208 R	62	2	-	64
MAR	6208 R	4	-	-	4
FŘP	6208 R	2	-	-	2
VSRR	6202 R	1	-	-	1
Total		69	2	-	71



Graduate Numbers from FaME

Table No. 30

Course	Study Programme Code	Study Programme			Students Total
		Bachelor's	Master's	Doctoral	
EM	6208 R	186	-	-	186
MAR	6208 R	-	-	-	-
FŘP	6208 R	-	-	-	-
VSRR	6202 R	-	-	-	-
MM	6208 T	-	63	-	63
PE	6208 T	-	56	-	56
PI	6208 T	-	23	-	23
EM	6208 T	-	-	-	-
Total		186	142	-	328

Legend: **EM** - Economics and Management. **MAR** - Marketing. **FŘP** - Financial Management of Enterprises. **VSRR** - Public Sector Administration and Regional Development. **MM** - Management and Marketing. **PE** - Enterprise Economics. **PI** - Industrial Engineering.

Commentary:

In the Bachelor's Degree programme, one student was awarded the Development Trust Award, and 20 other students' Dissertations were recognised for their excellence.

In the Master's Degree programme, four students graduated with Distinctions, 13 other students' Dissertations were recognised for their excellence,

one student received the Rector's Award, one was awarded the TAJMAC-ZPS Prize, and the Mayor of Zlín's Award was awarded to one student.

Ing. Markéta Přidalová, the first graduate of the Master's Degree programme, won the Tomas Bata Foundation Award for her thesis written and defended in English.

10.2.4 Research and Development (R&D)

The long-term R&D aims and objectives of FaME are represented by the following areas:

- Formulation of theoretical principles and starting-points for the conception of industrial policy for the future Euro-region in the context of the globalisation of the Czech economy.
- Elaboration of methodological materials for privatised enterprises leading to the introduction and implementation of modernisation systems for increasing the competitive ability of Czech manufacturing and industrial enterprises.

- Build-up of Information Systems supporting Production and Operations Management, Economic Analysis, Product Planning and Organisational Changes, Logistical Material Flow Planning, Production Planning, Organization and Measurement of Work Performed, and Maintenance of Plant and Equipment.

R&D at FaME is organised by the individual departments according to their orientation. 5 Professors, 6 Associate and Assistant Professors, 18 Senior Lecturers (Readers), and 17 students of the full-time Doctoral Study programme participated in the faculty's R&D activities.

10.2.5 Orientation of R&D at FaME

The profiled orientation of R&D activities at FaME is given by the research study CEZ, MSM 265300021: *Research into Competitive Ability of Czech Industrial Manufacturing Enterprises*, the responsibility for which is in the hands of Prof. Ing. František TRNKA, CSc.

Department of Management:

- Human Resources Management and Personnel Management
- General Marketing and Marketing Management Methodology, Marketing and Management of Advertising
- Legal and Environmental Aspects of International Management

Department of Enterprise Economics

- Business Economics and Management
- Innovation Management
- Competitive Abilities of Small and Medium-sized Enterprises

Department of Economics

- Macroeconomic and Microeconomic Contexts of the Globalisation Process
- Dimensions of the EU and the Standing of Regions
- Theory of Competitive Abilities

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
- Engineering Economics (Accounting, Taxes, Controlling)
- Capital Markets, the Economics of Enterprises

Department of Public Sector Administration and Regional Development

- Public Sector and Regional Administration
- Regional Economics

Department of Production Management - Industrial Engineering

- Production Engineering, Production Planning and Management, Logistics
- Measuring the Performance and Management of Operations, Productivity, Process Improvement
- Total Quality Management

Department of Languages

- Development of Business and Technical English and German Study Materials for Bachelor's, Master's, and Doctoral Degree programmes at TBU
- Provision of Language Support for International Projects within the Framework of EU, TEMPUS, and Leonardo da Vinci programmes
- Provision of Language Support for Applied Socio-economic Research into EU and International Management

Department of Physical Education

- Preparation of Research in Testing the Physical Performance Levels of the Population

Important Conferences and Seminars

Table No. 31

Title	Character	Date	Guarantor	Number of Participants
Theoretical and Practical Aspects of the Transformation of Public Sector Administration in the Czech Republic	Conference - Working Get Together	31. 01. 2002	Doc. RNDr. René Wokoun, CSc.	150
Functioning of Enterprises in the Current World	Professional Conference	28. 02. 2002	Prof. Ing. František Trnka, CSc.	300
The Internet and the Competitive Abilities of Enterprises	4 th Annual Conference	13. 03. 2002	Prof. Ing. Zdeněk Molnár, CSc.	80
Marketing Management and Management Marketing	International Scientific Colloquium	22.-23. 05. 2002	Prof. Ing. Ján Porvazník, Ph.D.	120
E-learning in Tertiary Education 2002	Conference	05.-06. 06. 2002	RNDr. Bedřich Zimola	80

10.2.6 Successful Doctoral Studies Graduates at FaME in 2002

Table No. 32

Graduate	Title of Dissertation	Supervisor	Defence
Ing. Pavla Staňková ^{1) 2)}	Methodology of Advertising Effectiveness Measurement	Doc. PhDr. Alois Glogar, CSc.	08. 03. 2002
Ing. Petr Sodomka ^{1) 2)}	ERP Systems Effectiveness Evaluation	Prof. Ing. Zdeněk Molnár, CSc.	26. 09. 2002
Ing. David Tuček ²⁾	The Influence of Production Engineering Methods Applications on Increasing the Competitive Ability of Czech Industrial Manufacturers, particularly of Slovácké strojírny	Prof. Ing. František Trnka, CSc.	26. 09. 2002
Mgr. Libor Šnědar ¹⁾	Rights Protection in Employment Relationships	Doc. JUDr. Milan Galvas, CSc., FP MU Brno	20. 09. 2002

¹⁾ Graduates from the ranks of FaME's academic staff.

²⁾ Graduates from the joint Doctoral Degree programme of FaME and Business Faculty, Technical University in Brno.

10.2.7 FaME Publication Activities in 2002

Table No. 33

RIV R06	Character	ÚMA	ÚPE	ÚIS	ÚE	ÚFÚ	ÚPI	ÚVS	ÚJ	ÚTV	Total
1	Articles in Professional Journals in a Foreign Language	5	0	0	1	0	0	0	1	0	7
2	Articles in Professional Journals in Czech	5	17	15	1	12	4	0	8	1	63
3	Expert Monograph	1	1	0	0	0	1	1	0	0	4
4	Chapter in a book	0	0	0	0	0	3	0	5	0	8
5	Paper in Proceedings - Foreign Publisher	5	14	5	5	4	3	0	0	1	37
6	Paper in Proceedings - Domestic Publisher	26	5	23	8	6	16	0	2	0	86
7	Defended R&D Report for a State Administration	0	0	0	0	0	2	0	0	0	2
8	Presentation of R&D Results	6	2	2	4	2	2	0	0	0	18
9	Teaching Texts	7	2	2	3	8	1	0	0	0	23
	Total	55	41	47	22	32	32	1	16	2	248

Legend: ÚMA - 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 in Industrial Engineering. ÚVS - Department of Public Sector Administration and Regional Development. ÚJ - Department of Languages. ÚTV - Department of Physical Education.

10.2.8 Habilitation Procedures in 2002

The Faculty has yet to be accredited to conduct Habilitation and Nomination Procedures. Academic staff therefore have to undergo such procedures at

other Economics or Management oriented Faculties in the Czech Republic. One member of staff carried out her successful Habilitation defence in 2002.

Table No. 34

Candidate Name	Specialisation	Appointed at	Date
Dr. Ing. Drahomíra Pavelková	Management and Economics of Enterprises	Faculty of Commerce Technical University in Liberec	11. 03. 2002

In the course of 2002, the supporting documentation for the submission of the accreditation application for the Habilitation Procedure in the Management and Economics of Enterprises was prepared. This was discussed on 13. 12. 2002 by the FaME

Scientific Board, and subsequently also deliberated over by the Scientific Board of TBU in Zlín on 11. 02. 2003. The application will be submitted to the (Czech) Accreditation Commission in the course of 2003.



10.3 Faculty of Multimedia Communications

Address:

Tomas Bata University in Zlín, Faculty of Multimedia Communications, Štefánikova 2431, 760 01 Zlín
Tel. 00420 576 032 120, <http://www.fmk.utb.cz>

Dean

Doc. Jan MEISNER, MFA (*interim, until 31. 07. 2002*)
Prof. Pavel ŠKARKA, MFA (*from 01. 08. 2002*)

Vice-Deans

Doc. Jan ZAMAZAL, MFA (*from 01. 03. until 31. 07. 2002*)
Interim Vice-Dean for Study Matters
Ondřej PODZIMEK, MFA (*from 01. 02. until 28. 02. 2002, and from 01. 08. until 30. 09. 2002*)
Interim Vice-Dean for Studies Matters
Vice-Dean for Pedagogical Activities (from 01. 10. 2002)
Mgr. Veronika ZAVŘELOVÁ (*until 31. 07. 2002*)
Interim Vice-Dean for R&D Activities
Ing. Jaroslav SVĚTLÍK (*from 01. 08. 2002*)
Vice-Dean for R&D Activities, Statutory Deputy
Ing. Jaroslav VÍTEK (*until 31. 07. 2002*)
Interim Vice-Dean for External Relations
Mgr. Veronika ZAVŘELOVÁ (*from 01. 08. 2002*)
Vice-Dean for External Relations

Academic Senate

Prof. Pavel ŠKARKA, MFA – Chairperson (*from 19. 03. until 19. 06. 2002*)
PhDr. Magda GREGAROVÁ (*from 19. 06. 2002*)

FMK Representative to the Assembly of the Czech Council of Higher Education Institutions

Ondřej PODZIMEK, MFA

Scientific and Artistic Board

No nominations in the course of 2002

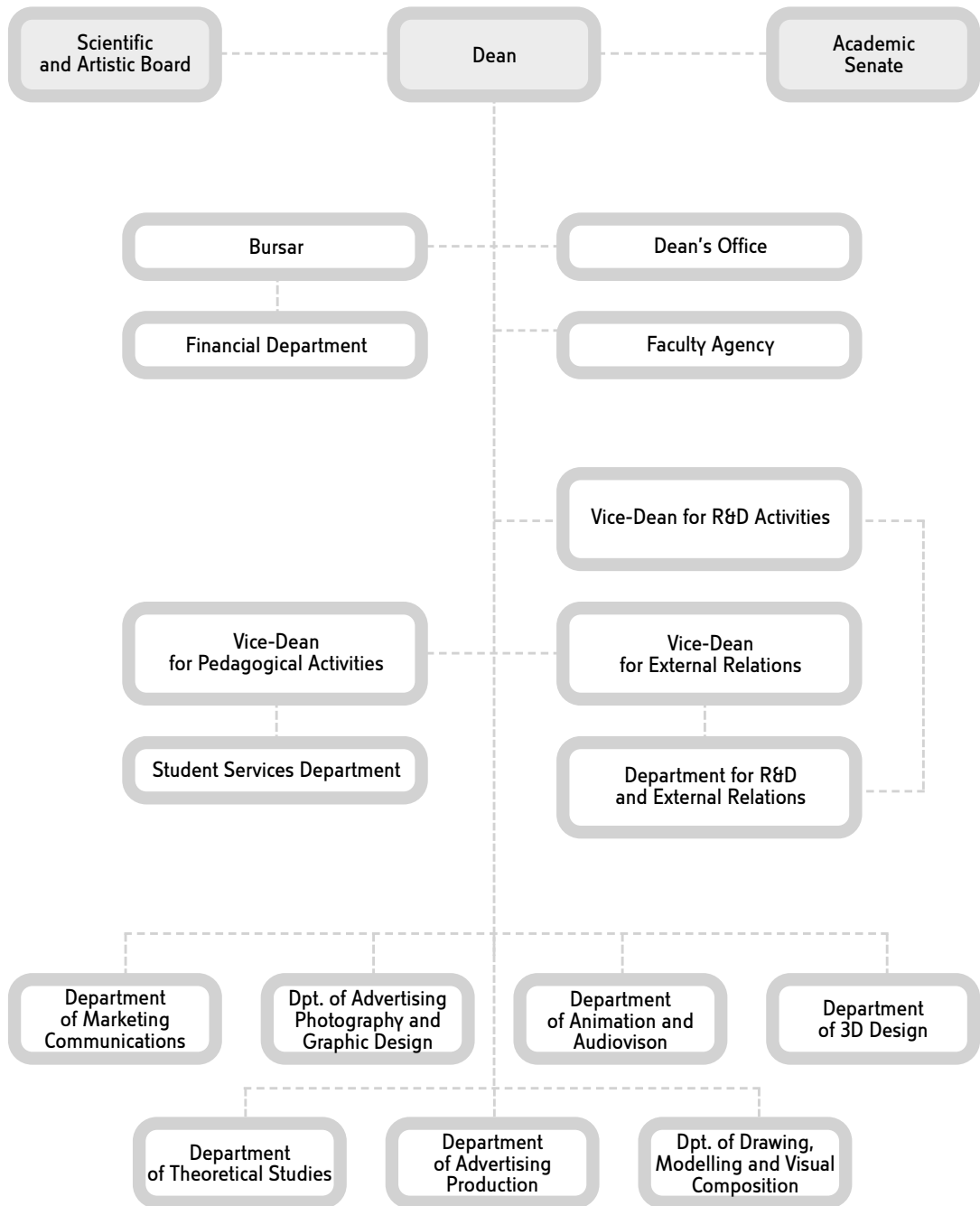
Bursar

Ing. Marie ČERVINKOVÁ (*interim, from 01. 02. until 31. 10. 2002*)
Ing. Rudolf BEŽÁK (*from 01. 11. 2002*)

Chairman of the Study Programme Board

Doc. Jan MEISNER, MFA (*until 31. 07. 2002*)
Ondřej PODZIMEK, MFA (*until 31. 10. 2002*)

10.3.1 Organisational Structure



10.3.2 FMK Departments

Department of Animation and Audiovision

Head: MgA. Jana JANÍKOVÁ

Department of Advertising Photography and Graphic Design

Head: Rostislav ILLÍK, MFA

Department of 3D Design

Head: Doc. Jan ZAMAZAL, MFA

Department of Marketing and Social Communications

Head: Ing. Jaroslav SVĚTLÍK

Department of Advertising Production

Head: Doc. Josef HAMZA, MFA

Department of Theoretical Studies

Head: Mgr. Tomáš POSPĚCH

Department of Modelling, Drawing, and Visual Composition

Head: Ondřej PODZIMEK, MFA

10.3.3 Study Programmes

Bachelor's Degree programmes

7202-R Media and Communications Studies

full-time and combined studies

Course:

Marketing and Social Communications

8206-R Fine Arts

full-time and combined studies

Course:

Multimedia and Design

Specialization: Animation Design

Audiovision

Footwear Design

Graphic Design

3D Design

Industrial Design

Advertising Photography

Master's Degree programmes

7202-T Media and Communication Studies

full-time and combined studies

Course:

Marketing and Social Communications

8206-T Fine Arts

full-time and combined studies

Course:

Multimedia and Design

Specialization: Animation Design

Audiovision

Graphic Design

3D Design

Advertising Photography

Applicant Interest in FMK Bachelor's Degree Programmes

Table No. 35

Course	Study Programme Code	Applications	Numbers		Accepted into 1 st Year Bachelor's Programme	Actually Started
			Sat the Entrance Exams			
Marketing and Social Communications	72	255	238		98	97
Multimedia and Design	82	381	318		48	48
Total		636	556		146	145

Number of Students at FMK

Table No. 36

Course	Study Programme Code	Study Programme			Students Total
		Bachelor's	Master's	Doctoral	
Marketing and Social Communications	72	239	101		340
Multimedia and Design	82	110	40		150
Total		349	141	0	490

Number of Foreign Students at FMK – Including Students from Slovakia

Table No. 37

Course	Study Programme Code	Study Programme			Students Total
		Bachelor's	Master's	Doctoral	
Marketing and Social Communications	72	13	2		15
Multimedia and Design	82	3	2		5
Total		16	4	0	20

Graduate Numbers from FMK

Table No. 38

Course	Study Programme Code	Graduates in the Study Programmes			Students Total
		Bachelor's	Master's	Doctoral	
Marketing and Social Communications	72	63	26		89
Multimedia and Design	82	18	5		23
Total		81	31	0	112

Commentary:

38 students graduated with Distinction from the Bachelor's Degree programmes. For the excellence of their Bachelor's Thesis, one student was awarded the FMK Dean's Award.

In the Master's Degree programmes, six students graduated with Distinctions. One student was awarded

the FMK Dean's Award for the excellence of their Master's Degree Dissertation. In addition, other students and graduates were rewarded with the FMK Dean's Award, the Rector's Award, the Mayor of Zlín's Award, and two students received the TAJMAC-ZPS Prize.

10.3.4 Innovation of Study Programmes, Students' Success in Labour Market

Since 1st January 2002, and on the basis of decisions made by the (Czech) Accreditation Commission, the study programmes provided by FMK have been differentiated. The specialisation of Marketing Communications in the Bachelor's Degree and the follow-up Master's Degree study programmes in Fine Arts has been transformed into the independent

study programme Media and Communications Studies with specialization in Marketing and Social Communications. This new structure is set out in the overview in Section 10.3.3.

Interest in graduates of all of the study programmes offered is very high, and no difficulties with finding employment have been noted.

10.3.5 Research, Development, and Creative Activities

Staff at FMK took part in resolving two GA ČR grant-maintained projects. Four pedagogues were awarded five awards for their art work. FMK has been working long-term with the Statutory Repre-

sentatives of Zlín and within the framework of this collaboration, it has been awarded two grants by the Municipal Council oriented on the sphere of cultural activities.

FMK Publication Activities in 2002

Table No. 39

Character	KAA	KFG	KPD	KMK	KRP	KTE	KKM	Total
Monographs in a world language	0	0	0	0	0	0	0	0
Monographs in Czech	0	1	0	1	0	2	0	4
Contributions in world scientific journals, abstracted in the Web of Sci or IF databases	0	0	0	0	0	0	0	0
Contributions in other intern. journals	0	0	0	0	0	0	0	0
Contrib. in Czech or Slovak journals	8	10	2	22	4	16	2	64
Contributions at conferences abroad in a world language	0	0	0	2	0	0	0	2
Contributions at domestic conferences	4	6	0	12	0	4	1	27
Other - e.g. trade-fairs, exhibitions, etc.	0	17	1	0	0	12	1	31
Teaching Texts	0	0	1	3	0	0	0	4

Legend: **KAA** - Animation and Audiovisual Department. **KFG** - Department of Advertising Photography and Graphic Design. **KPD** - Department of 3D Design. **KMK** - Department of Marketing and Social Communications. **KRP** - Department of Advertising Production. **KTE** - Department of Theories. **KKM** - Department of Drawing, Modelling, and Visual Composition.

10.4 TBU Central Library

Address:

Tomas Bata University in Zlín, Central Library, Štefánikova 2431, 760 01 Zlín
Tel.: 00420 576 034 818, 00420 576 034 911, <http://www.knihovna.utb.cz>

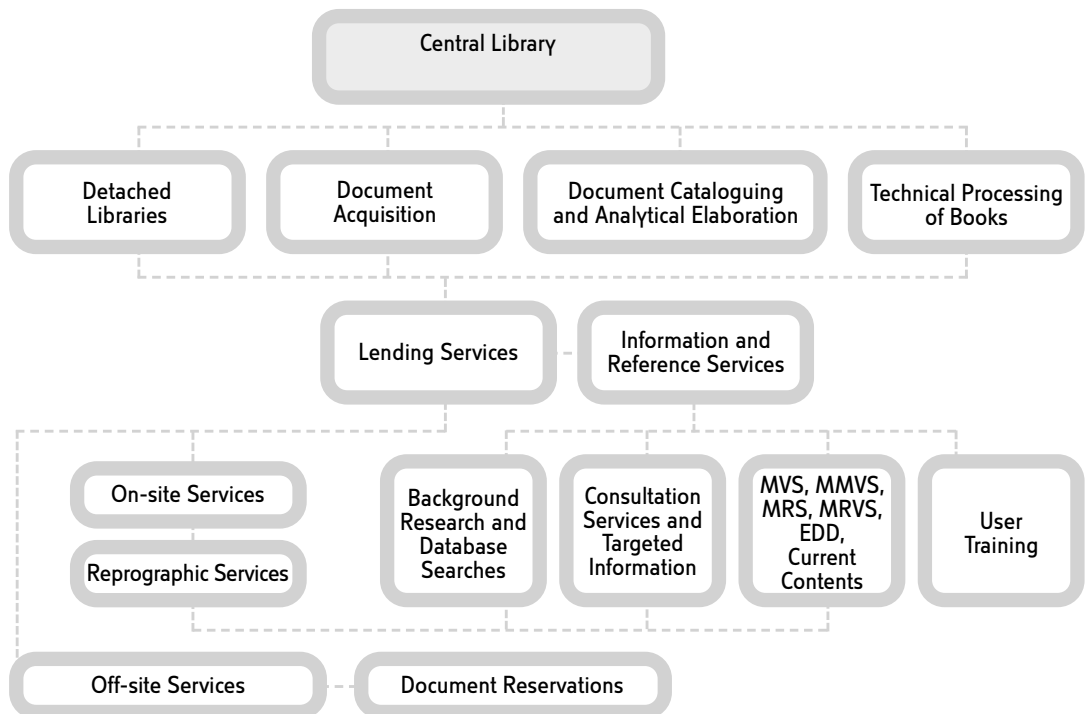
Library Location Symbol: ZLD002

10.4.1 Central Library Structure and Activities

The Central Library serves as library resource for the whole of TBU. It is a part of the network of academic libraries in the Czech Republic, and participates in joint-projects (the Libraries Consortium, shared electronic resources). It also collaborates with other libraries in the

Czech Republic (national licences for access to electronic resources, inter-library services, inter-library reprographic services, electronic document deliveries). It functions as a publicly accessible specialised library in line with § 13 of the Libraries Act No. 257/2001.

Central Library Structure



Among the standard services the TBU Central Library provides are the following:

- Electronic Document Delivery (EDD) - The Virtual Polytechnic Library - Collected Catalogue (VPK); routine operations.
- Provision of on-line services to its users (book loans, prolongations, reservations) - using the Internet interface.

- Inter-Library Lending Service (MVS).
- International Inter-Library Lending Service (MMVS).
- Inter-Library Reprographic Services (MRS).
- International Reprographic Loan Services (MRVS).
- IT user training (1st year students at FT, collaboration within the context of degree diploma seminars, meeting doctoral students needs).

10.4.2 Information Resources

In 2002, the Central Library registered 4,936 readers and a total of 28,673 loans, out of which 615 were inter-library loans.

Number of Volumes Overall	33,280
Of which: books and periodicals	29,383
other documents	3,897
number of volumes in circulation	18,965
Acquisitions in 2002	2,983
Of which: books and periodicals	2,422
other documents	561
Number of subscribed periodicals	189
Number of copies of subscribed periodicals	302

Number of Employees	7
Central Library	1
Departmental Libraries	12
Educational Events for Users	28
Number of places in the Library, Study Rooms, and Reading Rooms	109

Overview of Resources for Books Purchases and Information Databases

Table No. 40

Financial Resources	Thousands CZK	Purchased
Financial resources for book acquisition	1 127	books
- of which, for the Central Library	357	books
- of which, gift from the Zlín Municipal Cultural Fund	150	books
Financial Resources for Journals Purchases	706	foreign journals
- of which, for the Central Library	317	domestic newspapers and journals
Gift from the Tomas Bata Foundation	150	foreign journals
Information Databases Use Fees	316	
Total	3,124	

The TBU Central Library took over the book stock of the Library of Civil Engineering in Zlín, (i.e. textbooks, literature on civil engineering and construction, architecture, etc.). It also took possession of the Svit Technical School Library with its collection of professional literature.

It also took part in the project VISK 9 - National Authority, where it gained some 71,000 CZK (support for participants of the project - the technical realisation and collaboration with the Czech National Library). Since October 2002, it has implemented on-line checking and delivering records.

10.4.3 Public Information and the Central Library's Bibliographic Services

The Central Library fulfils its function as a Rectorate-directed Information Workplace of TBU, assuring access to comprehensive catalogues, and to selected electronic information resources in the Study Rooms. It provides off-site and on-site services to its clients, the reservation of documents, circulation services, inter-library services (active - in-country, international, reprographic, and electronic; passive - in-country, international, reprographic, and electronic - i.e. acting as the middleman in securing documents that are not directly accessible in the library's stocks.) It actively supplies copies of documents to other libraries, and passively supplies copies of documents to its users according to their categorisation. It

delivers journal content (i.e. so-called Current Content services), and mediates background research, information provision, bibliographic services, advisory services, consultation services, referential services (e.g. about library stocks and funds, libraries bases, conditions for their use, bibliographic and factual information, information as to the accessibility and availability of literature, verification services, and tracing of citations). Other services include provision of reprographic services (i.e. copying, network printing, scanners), electronic delivery of documents - through the Virtual Polytechnic Library, access via the Internet to electronic information resources (on-line services).

The Key Sponsors are:

The Zlín Municipal Cultural Fund	150,000 CZK	purchases of book stock
The Tomas Bata Foundation in Zlín	150,000 CZK	purchases of professional journals



10.5 Halls of Residence and Refectories

Address:

Tomas Bata University in Zlín, Halls of Residence and Refectories, Štefánikova 150, 760 01 Zlín
Tel. 00420 576 036 111, <http://www.kmz.utb.cz>

Manager: Ing. Josef ZELA

Operational Units:

Building U6	University Halls of Residence No. 1, Antonínova 4379
Building U7	University Halls of Residence No. 2, Štefánikova 150
Building U11	University Halls of Residence No. 3, Nad Ovčírnu 3685
Building U12	University Halls of Residence No. 4, náměstí T. G. Masaryka 3050
Building U13	External Accommodation Unit, Křiby 4885 (rented)
Building U43	Refectories, Štefánikova 2431

Services provided:

- accommodation for students in the University Halls of Residence
- catering services for students
- catering services for employees of TBU and other organisations
- additional activities: holidays and seasonal accommodation

10.5.1 Student Accommodation

In order to meet student accommodation needs for the 2002/2003 academic year, a total bed capacity of 984 beds was secured, out of which 524 beds are in the existing TBU Halls of Residence (Buildings U6 and U7), 190 beds are in the accommodation facility located in the Jižní Svahy - Křiby area (Building U13), owned by the Pozemní stavitelství, a. s., Zlín, and 270 beds are in the newly-acquired accommodation facilities on T. G. Masaryka square (Building U12). The Hotel Moskva set aside 50 beds to serve students as interim accommodation until they could be offered a place in one of the university's Halls of Residence. A total of 1,034 beds were available. Of the above-mentioned new accommodation capacity of 270 beds, 96 were new beds located in the reconstructed parts of the building U12, where the common rooms were reconstructed, and new air-conditioning fitted. New air-conditioning was also installed in the twenty-four rooms (with the total of 48 beds) that had been reconstructed earlier. Apart from the simple fact of the quantitative increase in accommodation capacity, an undeniable benefit is the qualitative side of this capacity.

The average number of students accommodated in 2002 (in 10 months) was 775. The total number of applications for accommodation exceeded 1,162, out of

which 409 were first-year students, and 753 were students of other years. In total, 185 students were not interested in the accommodation offered.

By 1st November, all of the students who had applied for accommodation had been accommodated. In comparison with the previous academic year, the number of students interested in accommodation prior to the start of the 2002/2003 academic year was higher by about 100 individuals.

The basic criteria governing accommodation provision are: commuting of over 50 minutes, final-year students and student officials get extra points in the accommodation provision point system, preference is given to students in the Doctoral Degree programmes, an individual approach is taken to the students with health and social problems. As regards meeting the accommodation requirements of the university students, the management of the University Halls of Residence works very closely with the Halls of Residence Boards; the Commission of the TBU AS for Accommodation, Catering, and the Central Library; and the Commission headed by the Vice-Rector for Pedagogical Activities.

In 2002, CZK 6,278,312 was received in fees for accommodation at the University Halls of Residence.

10.5.2 Student Catering Services

In the domain of catering service provision, we managed to achieve an almost doubling of previously attained performance levels. The overall number of meals served in the course of 2002 was 227,286 meals out of which 174,029 were meals served to students (as compared to 81,430 meals in 2001.) Here too, we saw a growth of over 100 %.

Sales reached 6,596,183 CZK, out of which 3,778,025 CZK represented student meals (not including the MŠMT subsidy).

In the course of 2002, an Employee Refectory was added to our range of services. It has proved to be not only a plus as regards the quality of the dining environment, but there can also be no dispute as to its influence on the numbers of diners, who have virtually tripled as against the 2001 figures.

A whole range of rational measures have helped to decrease the waiting time in the queues for ready-to-serve and á la minute meals. Despite such fundamental growth in the numbers of meals served, there has also been an improvement in the quality of cooked meals.

10.6 Academia Centrum

Address:

Tomas Bata University in Zlín, Academia Centrum, Mostní 5139, 760 01 Zlín
Tel. 00420 576 032 206, <http://www.utb.cz/czech/ac/ac.php>

Manager: Ing. Vlastimil OLIVKA

In the course of 2002, the Academia Centrum organised some 185 events in all for external clients. These were made up of lectures, seminars, training sessions, company presentations, conferences, congresses, and so on.

The Academia Centrum also arranged a total of 112 non-profit events to meet the requirements of the individual faculties and other workplaces of the university.

A significant contribution to the benefit of TBU students of programmes in all forms of studies is the publication activity of the Academia Centrum.

Among the most important events were:

- The International Conference, "The Functioning of Enterprises in the Current World"
- The "Internet and the Competitive Ability of Enterprises" Conference
- The IAESTE Conference, accompanied by a Trade-fair exhibition
- A concert given by Pavel Šporcl (part of the "University Cycle")
- Public discussions on "The Development Programme for the Territorial Entity of the Zlín Region"

- The 10th Professional Symposium of Surgeons, with international participation
- The DIAGON 2002 International Conference
- The Conference "Marketing 2002"
- The 42nd International Youth Film Festival, Zlín 2002
- The "E-learning in Tertiary Education" Conference
- The 24th Nationwide Students' Professional Activities Show
- The 30th Czech and Slovakian Neuro-vascular Symposium
- The 9th Congress on Internal Medicine for Practicing Doctors, with international participation
- The 7th Gerontology and Geriatrics Congress, with international participation
- The Zlín Dental 2002 Congress

AC Publishing Activities:

- | | |
|---|-----------|
| - 49 Titles and 4 Proceedings:
for the Faculty of Technology | 14 Titles |
| for the Faculty of Management
and Economics | 29 Titles |
| for the Faculty
of Multimedia Communications | 6 Titles |



11.1 Important Conferences, Seminars, Honorary Doctorates, and Anniversaries

A key event within the framework of the development of TBU was the inauguration of the university's Lifelong Learning programme for senior citizens. The Matriculation of the first ever 120 students took place on 7th October 2002.

For the first time ever in the short history of Tomas Bata University in Zlín, it had the honour of hosting the Czech Rectors Conference. Rectors from Czech Universities met to negotiate in the TBU Academia Centrum on 12th December 2002.

11.2 Other, Non-pedagogic Activities

The University fills the role and function of an educational establishment in the widest sense in the local region. A whole range of cultural and social events for the general public take place in the

Academia Centrum premises. Among others it was the Exhibition presenting 100 years of Dutch Architecture organised by the Faculty of Architecture of the Technical University in Delft.



12. Student Care

12.1 Accommodation, Catering

Table No. 41

Tomas Bata University in Zlín			
Halls of Residence - total bed capacity	984		
Bed capacity for student accommodation	977		
Bed capacity for employee accommodation	4		
Bed capacity for TBU guest accommodation	3		
Bed capacity in rented facilities	190		
No. of accommodation applications received in the respective academic year	1,162		
No. of applications complied with as on 31. 10. of this academic year	1,162*		
Accommodation rates in CZK per month, by category	Students	TBU Employees	Others
A - Single Rooms with joint facilities	1,054.-/Bed	3,300.-/Bed	9,585.-
B - Multi-bed Rooms	1,025.-/Bed	3,300.-/Bed	5,250.-
C - Other			
Main course meal prices in CZK	Students	TBU Employees	Others
	21.-	21.-	46.80
No. of main courses served during this academic year	Students	TBU Employees	Others
	141,591	17,945	21,855

* Note: The number of accommodation applications complied with; 185 applicants in the end did not require accommodation.

TBU Accommodation Facilities, as on 31. 12. 2002

Table No. 42

	Name and Address	Bed Capacity
University Facilities	Halls of Residence No. 1, Antonínova 4379	328
	Halls of Residence No. 2, Štefánikova 150	196
Rented Facilities	Halls of Residence No. 4, nám. T. G. Masaryka 3050	270
	Accommodation Facility, Křiby 4885	190
Total		984

12.2 Scholarships

Within the overall framework of care for TBU students, a number of scholarships for success and scholarships for students in extra-ordinary circumstances were disbursed by TBU in 2002. The conditions governing the awarding of stipends are set

out in the TBU Scholarship Rules and Regulations. The success scholarships in 2002 were disbursed as one-time payments in June and December. Extra-ordinary circumstances scholarships were disbursed to some 74 students.

12.3 Information and Advisory Services

The conception of the future development of the Information and Advisory Services at TBU is set out in the Long-term Aims and Objectives of TBU for the period 2001 to 2005. Information and Advisory Services are implemented on two levels - the faculty level and the university level. A significant role is played by the utilisation of the internal information network - the Intranet and the Internal Television Network displaying information of interest. Equally, the Faculties play a significant role in the creation of the conditions necessary for the functioning and activities of the student organizations IAESTE, AIESEC, and the TBU Student Union. Representatives of the TBU Student Union sit in on the deliberations of the various Faculties key administrative organs.

The Pan-University Information and Advisory Services are oriented to serving the needs of all of the members of the TBU academic community, people interested in studying at TBU, the general public in the Zlín Region,

as well as the institutions and enterprises with whom the University cooperates. A significant role in providing information is played by the TBU WebPages and the new University magazine "Universalia", which is issued quarterly with a print-run of 1,200 copies. The magazine is intended for the academic community of the University, as well as professional and regional public.

The Academic Advisory Office (4 hours per week) also provides information and advisory services in the areas of pedagogical, psychological, and social matters to students.

The TBU Long-term Aims and Objectives for the period up to the end of 2004, establishes the role and goals of a structured information and advisory services approach to the following issues:

- People interested in studying at TBU.
- TBU students, including professional future career planning advisory services.
- TBU academic employees and other TBU employees.
- The entrepreneurial and regional communities.

12.4 Sporting, Artistic, and other Student Activities

Apart from selected sports activities offered to the students within the tuition framework, TBU also provides a wide range of other sporting experiences through the offices of the TBU Universities Sports Club. A Fitness Centre and a Gym (the latter at the Jižní Svahy location) are available to students wanting to improve their physical fitness and condition. Students can also participate in the activities of Sports Teams that take part in local, as well as national competitions in cooperation with the Czech University Sports Association and the Czech Physical Education Association (ČSTV). In the case of winter sports, the Training Centre in the Javorník Mountain range is available to both students and staff of TBU.

As regards culture, many students made use of the advantageously priced Zlín Municipal Theatre and

the Bohuslav Martinů Philharmonic Orchestra in Zlín Season Tickets. A whole range of free-time programmes is on offer from the TBU Academia Centrum. TBU facilities are progressively becoming places for the development of extra-curricular interests and activities of TBU students, and the forms by which the University impinges on the cultural and artistic lives of the town and the offer of value-added free-time events (concerts, art exhibitions, etc.) to other students from Zlín and the surrounding region are also growing. TBU perceives these activities as ways of strengthening the prestige of the University, both within the town and the Region, and equally, as a way of supporting or generating interest in studying at one of the faculties of TBU in Zlín.

13. Development of the University

13.1 Investments and Property Development

The second year of activities at the newly established Tomas Bata University in Zlín was a year of intensive investment into re/construction projects, endeavouring to create high-quality tutorial and material conditions for the assurance of the educational process and the development of scientific disciplines.

On the basis of the Capital Construction Programme prepared by the TBU Commission for Construction and Dislocation, 12 specific capital construction projects and tasks were realised in the course of 2002. These concrete tasks covered the domains of tuition provision, Information Technologies, and social care for both students and staff at TBU.

The overall amount spent was 122,490 thousand CZK (out of which some 95,000 thou. CZK went into the conversion of the former 13th elementary school into university premises), and a big step was thereby taken towards fulfilling the TBU Long-term Development Aims and Objectives. The overview of the projects undertaken is divided into the following five categories:

- Category:
- A – Communications infrastructures
 - B – Construction projects for the repair of seriously damaged facilities
 - C – Reconstructions – large-scale investments
 - D – Preparations of investment projects according to the Construction Plan
 - E – Property Purchases

Category A – Communications infrastructures

In this category, two important projects were undertaken, which will further support the exploitation of modern technologies. To match the growing requirements for data-transfers between the individual buildings of TBU and for their further connection to academic networks, further investments are planned into communication infrastructures.

The Modernisation of TBU's Backbone Computer Network, Building U2- Stage II

For the optimal routing of data between the local networks of the individual TBU buildings and the CESNET academic network, a central router device has been installed.

Realisation Date:	2002	Total Cost:	2,928 thou. CZK
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Structured Cabling of the Building U10 During Its Reconstruction

During the reconstruction of the tutorial spaces in the building U10, workplaces were networked, active elements were installed, and airborne microwave connection to the backbone computer network was implemented.

Realisation Date:	2002	Total Cost:	1,204 thou. CZK
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Category B – Construction projects for the repair of seriously damaged facilities

Smaller-scale projects that were necessary to undertake in urgent cases in order to repair seriously damaged facilities.

Repairs of the damp-proofing of the areaways and walls of the subbasement of the building U2

Groundwater was soaking into the sub-basement of the building U2. The problem was fixed by repair of the damp-proofing of the foundation wall, drainage, installation of new sunken light-wells, and re-landscaping the site.

Realisation Date:	1.5 months 2002	Total Cost:	1,117 thou. CZK
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Repairs and reconstruction work at the Training Centre Portáš

Construction works here included the reconstruction and repair of the toilets and bathrooms, and internal plumbing, new sanitary appliances were installed, including showers and taps.

Realisation Date: 1 month / 2002 **Total Cost:** 202 thou. CZK

Repairs of the flooring and wall cladding in the building U2

To repair the tiling and paving in and around the building U2, some 260 m² of wall tiling, 180 m² floor tiling, and 125 m² of wall plaster had to be removed and replaced.

Realisation Date: 1.5 months / 2002 **Total Cost:** 779 thou. CZK

Category C - Reconstructions - large-scale investments

This category includes the most significant capital construction projects requiring large-scale investments carried out in 2002. All of these projects were implemented in accord with the Long-term strategic investment programme of TBU in Zlín.

Reconstruction of the former 13th elementary school site into the university premises U5

In 2002, TBU began the actual reconstruction work on the 13th elementary school site with the completion date April 2004.

The reconstruction and construction of these premises will create new modern teaching facilities, offices for pedagogues and Doctoral Degree students, and provide a technical and laboratory infrastructure. The facilities at this site will enable the planned relocation of several departments of the Faculty of Technology, they will house the planned Faculty of Information Technologies, as well as other university institutions.

From the architectonic point-of-view, the Municipality of Zlín will be augmented by an important architectonic element on the skyline of the Jižní Svahy neighbourhood. The building will highlight the existence of this new public university in Zlín.

Construction work started in 2002 and continued according to schedule, with an overall investment of some 95,000 thousand CZK.

Realisation Date: 28 months / 2002-2004 **Total Cost:** 341,674 thou. CZK

Repairs and reconstruction of the basement of the building U2

The reconstruction of the former Library's premises and the lobby of the basement involved the construction of 66-seat raked auditorium, two seminar rooms with seating for up to 24 people, a study materials bookshop with storage facilities, and a Computer Laboratory.

Thanks to the repairs to the lobby area, adequate communication and multi-purpose rest areas were also created.

Realisation Date: 2 months / 2002 **Total Cost:** 10,590 thou. CZK

Reconstruction of Lecture Halls III and IV in the building U1

The aim of this reconstruction project was to increase the seating capacity up to 181 and 128 students respectively, to replace the inadequate raised seating fixtures with new seating that meets current requirements and university standards.

Realisation Date: 2 months / 2002 **Total Cost:** 1,300 thou. CZK

Repairs and reconstruction to the building U10

Due to the growth in numbers of students and pedagogues in the 2001/2002 academic year, and prior to the completion of the TBU site located in the Jižní Svahy neighbourhood, the building U10 was purchased as an interim solution and essential repairs were carried out to two of its floors. This covered the faculty's needs and made available 17 classrooms and laboratories, and 23 workrooms and offices – with an overall floor-space of some 1,545 m².

Part of the reconstruction project was the installation of electrical wiring, structured cabling, painting and surface finishing, and repairs to the toilets.

Realisation Date: 2 months / 2002 **Total Cost:** 2,287 thou. CZK

Repairs and reconstruction to the building U12 – Stage II

The student accommodation capacity deficit was solved by the purchase of the former so-called 4th Women's Halls, and the 2nd Stage of the reconstruction of the eastern wings of its 2nd, 3rd, and 4th Floors. 144 beds were fitted into double-bedded rooms, each with its own en suite toilet and shower, kitchenette, and entrance hall.

Realisation Date: 2 months / 2002 **Total Cost:** 5,326 thou. CZK

Completion of the construction of the Employee Refectory in the building U43

The aim was to create an appropriate dining environment for pedagogues and other employees of TBU, with its own meal-service point, on-site preparation of á la minute dishes, and a dining area seating 50 people with the appropriate furnishings. This catering facility is integrated into the Main Kitchen's technological fittings and capacity and other ancillary services.

Realisation Date: 2 months / 2002 **Total Cost:** 2,813 thou. CZK

Category D – Preparations of investment projects according to the Construction Plan

The following investment activities are planned in accordance with the Long-term Strategic Aims and Objectives of TBU, and the university's efforts to reach the international standards of public universities. These future projects are focused on the development of educational, cultural, and other creative activities. The long-term aim is to create a high-quality infrastructure backup for the University for an overall target number of five to six thousand students. Investment activities in the future are significantly oriented on the creation of an appropriate study environment and their logistical backup, which should serve to markedly improve the prestige of TBU in Zlín.

Preparatory work has got under way for the following projects:

- Preparations for the construction of the Cultural and University Centre in Zlín
- Expansion of the current backbone data transfer network to include the premises U5
- Reconstruction of the electrical wiring in the building U1
- Reconstruction of laboratories No. 111 – 116 in the building U1
- Reconstruction and modernisation of the lifts in the building U1
- Fire fighting measures in the building U12
- Repairs and reconstructions in the building U12 – 3rd Stage
- Repairs and insulation of the roofing on the building U10
- Expansion of the current backbone network to include the building U10
- Repairs and reconstruction at the Training Centre Portáš

Category E - Property Purchases

With the growing demand for usable floor-space for accommodation and tuition at TBU, it has proved necessary to invest into the purchase of other properties in the centre of Zlín. After the requisite repairs and alterations to the spaces to meet the needs of the University, the following buildings will be taken over by individual faculties or the University Halls of Residence and Refectories Administration.

Purchase of the complex of buildings U10, U11, and U12

On the basis of a purchase contract, TBU in Zlín acquired three pieces of property that formerly belonged to Svit, a.s., Zlín Group. These were the so-called 3rd and 4th Men's and the 4th Women's Buildings. The payment plan schedules the payment for the years 2002–2003.

Purchase Contract Realisation Date: 2002–2003 **Total Cost: 11,900 thou. CZK**

The freed-of-all-charges transfer of the Building U41 into the proprietorship of TBU

This building, used by the Faculty of Multimedia Communications and reconstructed at the cost of TBU, was, after an agreement with the Zlín Municipal Council, transferred freed-of-all-charges into the proprietorship of the university.

13.2 Involvement in the Universities Development Fund Programmes

Table No. 43

Universities Development Fund	No. of Projects Accepted	Financial Resource Allocations (in thou. CZK)		
		Investments	Non-Investments	Overall
	15	2,617	942	3,559

13.3 Involvement in the Transformational and Development Programmes for Public Universities

Table No. 44

Transformational and Development Programmes for Public Universities	No. of Projects Submitted	No. of Projects Accepted	Financial Resource Allocations (in thou. CZK)
Programme for the development of the Bachelor's Degree programmes as an expression of support for the realisation of the Bologna Declaration, and the Programme for the support of selected study programmes	13	10	42,405
Programme for the support of Lifelong Learning programme	6	6	375
Programme for the support of international mobility programmes for public universities students	7	7	121
Programme for the support of study programmes guaranteed by public universities and implemented by Higher Technical Schools (VOŠ)	3	3	17,314
Programme for the development of Teacher Training programmes and other educational activities for 2002	8	7	1,732
Total	37	33	61,948

Table No. 45

Transformational and Development Programmes for Public Universities	No. of Projects Submitted	No. of Projects Accepted	Financial Resource Allocations (in thou. CZK)
Programme for support, and development of educational activities	1	1	1,037
Programme for support of the implementation or expansion of Information and Communications technologies and methods into the educational activities and administration at public universities	1	1	3,410
Programme for support of complex solutions for technical requirements established by generally legally binding regulations or by order of public administration organs	1	1	1,050
Programme for support of the integration of disabled students into the study process; equalising the opportunities for, and access to studies for applicants from variously disadvantaged social groups	0	0	0
Programme for support of the international mobility of students on the basis of international contracts	1	0	0
Total	4	3	5,497

14. Other Data Set Out by the Board of Governors

14.1 Activities of the Board of Governors

During the period assessed, the Board of Governors convened twice. At its first sitting held on 29th April 2002, the participants concentrated on securing the realisation of investments, and discussed issues related to the property rights. They expressed their agreement with the initiation of procedures leading to the acquisition of the building located at Štefánikova 2431, currently owned by the statutory Municipality of Zlín, and of the land for the construction of the Cultural and University Centre in Zlín.

They approved the purchase of three buildings, including the land, in the centre of Zlín, for the expansion of capacities for both tuition and accommodation.

Further, they concerned themselves with the pedagogical and R&D activities conducted at TBU, and with the state of legislative regulations. The Board of Governors expressed their agreement with the content

of the submitted report “Updating of the Long-term Aims and Objectives for TBU in Zlín for 2002”, with the university’s Budget, with the Annual Report on the Activities of TBU in 2001, and the Annual Report on the TBU Economy in 2001. The sitting was concluded with a visit to the construction site of the future university premises in Jižní Svahy.

At the second sitting, held on 27th September 2002, Tomas Bata introduced the newly appointed Dean of the Faculty of Multimedia Communications, Prof. Pavel Škarka. The Board of Governors discussed the financing of the Marketing and Social Communications Studies programme at FMK, as well as the collaboration between TBU and the Municipality of Zlín regarding the construction of the Cultural and University Centre in Zlín. Attention was also devoted to the preparations for the establishment of the university’s fourth faculty, oriented on Information Technologies.

In the course of the year in question, Tomas Bata University in Zlín managed to fulfil the tasks it had set for itself for this period. The approval processes and legislative steps necessary for the proper functioning of the university have been completed; the tuition and accommodation capacities have been expanded; and, in addition, access to information has been improved.

At the same time, further tasks and goals have been defined and set for the future direction of the university. A significant task is considered to be the increase in research capacity, which has yet to attain the requisite volumes and quality at the newly inaugurated facilities of TBU. In this respect therefore, every effort will be made to create a favourable competitive environment not only within

the university itself, but also in relation to other advanced workplaces in the world.

The anticipation of the admission of the Czech Republic to the European Union supports the creation of all the requisite conditions for TBU to become a tertiary education institution on equal footing with its EU counterparts. In connection with this basic objective, it is necessary to internationalise all the university's activities that will be connected to the EU network of universities. This has to do, above all, with the communication skills and abilities of the TBU students and staff; the creation of standard European conditions for the mobility of students and pedagogical staff; the creation of international research teams; as well as promoting cooperation of research and pedagogical staff.



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