



## **Imprint**

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# General Information / Vision



## Objectives and Scientific Profile

### Capacity Building for Sustainable Development

Sustainable development is the conceptual model for the future of this globalized world. Lately, sustainability also has become a business case: if managers and executives want to ensure long-term success of their businesses, in terms of value adding, they need to ensure a certain level of quality and managing risks. Product innovations also have to be inspired by sustainability design principles. Definitely, the management of an enterprise needs to regard social and ecological aspects in addition to economical goals for maintaining companies' success.

Based on a more than six years experience with German and European industry (car manufacturers and suppliers, energy suppliers, suppliers of chemical products, etc.) there is an obvious need to reduce environmental, health & safety related risks resulting either from legal requirements or risks along the production chain to maintain or increase competitiveness and to support society's sustainable development. For this, management systems deliver appropriate and efficient solutions. In the last few years, there has been a clearly visible trend to combine management systems. It seems to be advantageous to integrate different approaches to quality, as an environmental and (occupational) health

and security management. Therefore, an integrated management system is essential in decision making and expert systems. Nevertheless, not only management procedures, but also high potential staff is needed: skilful executives and employees with their intellectual and problem solving capabilities are required. Prospective students of the MSc course "EH&S RM" will achieve high quality interdisciplinary qualification to meet any challenge in the field of sustainable development and corporate risk management.



Teacher workshop in Liberec

Working groups from each of the three participating universities have, therefore, jointly developed a new Master course on „Environmental Health & Safety Risk Management (EH&S Risk Management)“ to start in October 2006.

# General Information / Vision



The new Neisse University Master level course (MSc) on “Environmental Health and Safety Risk Management” (EH&S RM) aims at capacity building and extended vocational training for young professionals in the field of quality, environmental and occupational health and safety management, thereby reducing corporate risks.

The interdisciplinary curriculum combines natural sciences, engineering and business administration, where English will be the major language in all courses. This follows the understanding that sustainable development needs problem solvers not from one academic discipline but well educated interdisciplinary experts. The curriculum design aims at teaching theoretical and methodological knowledge as well as providing practical experience by project work, internships and industry placements.

Basically, the new study course offers five educational categories, dealing with (1) fundamentals (of natural sciences), (2) risk management, (3) natural sciences and technical issues, (4) European environmental law / national standards and (5) languages.

Based on these 5 categories, the curricula include more specific the-

matic issues as displayed on page 13. Thus, the international study course focuses on current environmental issues (nature conservation, spatial planning, environmental analysis and protection, waste disposal and recycling) and management approaches (business administration and management, quality, health and safety and environmental management systems, energy and material efficiency, life cycle assessment) rounded up with knowledge on legal regulations and governance and basic skills in the three languages.

This Master course is a unique international project, where students will get in touch with three different cultures, traditions and languages, thereby acquiring intercultural competences and other soft skills. This innovative approach optimally meets the prerequisites of the labour market and provides excellent job opportunities.

As described, the Master course is composed of five educational categories containing either obligatory (compulsory, mandatory) or optional (elective) modules. This provides the option for graduated students to choose modules on the basis of their background knowledge, interests and needs ensuring the use of synergistic effects thereby.

# Neisse University



**„Die Neisse University  
ist zukunftsorientiert“  
Radio Praha**

The international network “Neisse University” represents three European universities, Technická Univerzita V Liberci (Czech Republic), the Politechnika Wroclawska (Poland) and the Hochschule Zittau/Goerlitz (FH) (Germany) and includes joint curricula for specific bachelor and master level courses.

The unique concept of the Neisse University is in agreement with the Declaration of Bologna (1999) and the process of development of a joint European sector of higher education (*EU Bologna Process*).



**Field trip in  
Czech Republic**

Following the principle of equality, the study courses are performed in the three participating countries and exciting cities (Wrocław, Liberec, Zittau) in the heart of the enlarged Europe. According to this, the students would stay for one semester each at each of the universities. This way, the students are made familiar with detailed economic, working and living conditions existing in this dynamic region of Central and Eastern Europe. This also includes the knowledge of traditions in economics and science as well as the comprehension of patterns of thought and behaviour existing in the countries involved. There is no doubt of regional advantages being utilized in this context. Co-operation at a level of quality as

present with the Neisse University calls for short distances between institutions, as is the case in the Euroregion Neisse. The purpose of all this is to take part in shaping the process of integration in the European Union and to counteract, as far as possible, any undesirable development.

The studies are structured in a modular way, thus ensuring that the contents of study are closely interlocked. The new feature about this study course, and at the same time the interesting one, is its highly innovative character which links applied natural science, economic science and engineering sciences, guaranteeing in this way a high degree of flexibility with regard to future assignments of the study courses' graduates. The objective is to train practically orientated specialists for companies from different industrial sectors, administrations and unions.

The Neisse University concept is the concept of study in a concrete language, cultural, scientific and economic environment. Students and lecturers from three countries are part of it.

The essential advantage of studying at this three-national university based on the utilization of actually

# Neisse University



existing resources in terms of material and staff, is its potential to benefit from all of the respective individual universities' strengths. This applies to the apparatus and laboratory equipment available as well as to the scientific staff potentialities of the institutions involved. Thus, co-operation of all three institutions in a joint educational object is guaranteed on an equal footing. The study, which for its greater part is a concrete one, thus enhances the development of multicultural social competence, marked by the acceptance of things different and by tolerance. For this reason, participation of university lecturers from all three institutions on the basis of equal rights is a significant prerequisite to its effectiveness because it enables this integrated university system to successfully implement a practically orientated training for the three countries.

*„Neisse University for me is a Chance for better life and a better career.“*

**Marcin Kaniecki  
(Polish student)**

Another positive element in support of an efficient and career-orientated training is that the students are made familiar with detailed economic, working and living conditions existing in this dynamic region of Central and Eastern Europe. This also includes the knowledge of traditions in economics and science as well as the comprehension of patterns of thought

and behaviour existing in the countries involved.



**Neisse University students - official meeting 2005**

There is no doubt of regional advantages being utilized in this context. Co-operation at a level of quality as present with the Neisse University calls for short distances between institutions, as is the case in the Euroregion Neisse. The purpose of all this is to take part in shaping the process of integration in the European Union and to counteract as far as possible any undesirable development.

This model of co-operation demonstrates that universities of different countries are not only capable of putting into practice supplementary offers of courses but to also work together as equal partners when providing compulsory elements of study.

# Neisse University



Chapter 2

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## Presiding Committee of the Neisse University

### Hochschule Zittau/Goerlitz (FH) - University of Applied Sciences

Prof. Dr.-Ing. habil. Rainer Hampel (The Rector)

Prof. Dr.-Ing. Klaus ten Hagen (President of the Neisse University)

### Politechnika Wrocławska

Prof. Dr. hab. Tadeusz Luty (The Rector)

Dr.-Ing. Maciej Pawlowski (Vice President of the Neisse University)

### Technická Univerzita V Liberci

Prof. Ing. Voitech Konopa, CSc. (The Rector),

Prof. RNDr. David Lukas, CSc. (Vice President of the Neisse University)

## President of the Neisse University

Prof. Dr.-Ing. Klaus ten Hagen

Hochschule Zittau/Goerlitz (FH) - University of Applied Sciences

Department of Information Technology

Brückenstraße 1

D-02826 Goerlitz

## Hochschule Zittau/Goerlitz (FH) - University of Applied Sciences

[www.hs-zigr.de](http://www.hs-zigr.de)



Hochschule Zittau/Goerlitz (FH)

The Hochschule Zittau/Goerlitz (FH) with the two sites of Zittau and Goerlitz is the easternmost university in Germany and counts with an enrolment of more than 3,800 full-time students. The focal function of the university is the preparation of young people for the information society of the new century. The Hochschule Zittau/Goerlitz (FH) enables the students to study very efficiently by small study groups, short ways to lecture rooms, labs, library, cafeteria and hostels and through a confiding relationship to professors and employees. A further goal of the university is the promo-

tion of the regional economy and infrastructure development through different research co-operations and an all-inclusive service. The Hochschule Zittau/Goerlitz (FH) focuses on information and communication, energy and systems technology, applied life science, social transformation processes, building and infrastructure and corporate action. Both university sites are situated close to the border to Poland and the Czech Republic. Thus, the field of activity of the university is characterized by an intensive cross border co-operation with the neighbouring countries. The

# Neisse University



Chapter 2

Page 8

Hochschule Zittau/ Goerlitz (FH) offers most favourable conditions and facilities - geographical, infrastructural and academic ones - for a study course located at the intersection and interface of linguistic, technical and intercultural knowledge. Teaching takes place in the Faculty of Mathematics and Natural

Sciences, housed in modern and recently refurbished buildings close to the city centre. With its spacious lecture halls and seminar rooms, its computer-based teaching rooms and its laboratories for physics, chemistry, biology and biotechnology, the faculty offers well-nigh ideal conditions for the course.

## Politechnika Wrocławska [www.pwr.wroc.pl](http://www.pwr.wroc.pl)



Politechnika Wrocławska

Politechnika Wrocławska was founded in 1945 and is an autonomous university-type research institution. Its mission is to shape the students into creative and critical personalities and to chart development directions of science and technology. The university fulfils its mission through a high standard of teaching and scientific research ensuring its prominent place amongst the universities in Europe and the in

whole world. Today, a number of 32,000 students is studying in 47 different courses with the focus on computer science, electronics, photonics and microsystems, European geo-technical and environmental issues, mechanics and machine construction, medical chemistry, air conditioning and district heating and sanitary installations.

## Technická Univerzita V Liberci [www.tul.cz](http://www.tul.cz)



TU Liberec  
(Foto: Zdenek Vali)

The history of the Technická Univerzita V Liberci goes back to 1953 when the Technical College of Mechanical Engineering was established. On January 1<sup>st</sup>, 1995, the college gained the status of a university and became the Technická Univerzita V Liberci. This is a logical result of the long-term economic and cultural development of the

region, where textile and textile machinery products had been traditional. Today, the university has an enrolment of more than 7,000 full-time students in the faculties of mechanical engineering, textile engineering, education, economics, architecture and mechatronics and interdisciplinary studies.



# Key Qualifications and Profiles



## *Getting future competences for implementing appropriate sustainable actions*

Comprising different categories such as fundamental science, risk management, natural sciences and technical issues the Master level course on “Environmental Health and Safety Risk Management” ensures a complex but problem-oriented understanding of ecological systems. The knowledge of eco-systems and the life-supporting services they provide as the basis of economic systems and industrial metabolism is complemented with key knowledge of business management and administration.

A special focus lies on risk management for enterprises, including financial, quality, environmental and (occupational) health and safety issues. This integrated management approach corresponds to today’s way of thinking and European trends, also with regard to BASEL II assessments, Integrated Product Policy (IPP) and other legislation.

The integrated competences gained at Neisse University qualify young professionals for positions as future decision makers and leaders. By a combination of theory and practice through six-month industrial placements students get professional

competence and expertise for sustainable development.

As the studies will take place in three countries and three exciting cities (Wrocław, Zittau, Liberec) in the heart of the enlarged European Union, students will get deep insights (acquire competences, soft skills) into different cultures and languages.

Graduates in “EH+S RM” will be able to analyse and to manage complex problems from an integrated perspective, including economic, ecological and social issues. Graduates will have acquired the ability to apply solutions and will have gathered social skills in the fields of communications, project management and team work. They will have solution-oriented and specialised knowledge especially for interdisciplinary challenges. Graduates will be skilled in business management procedures and thus they will be able to motivate and to take decisions that support sustainable development, paying attention to technical and economical efficiency and at the same time to ecological and social relevance.

# Job Opportunities



**Boosting careers:**  
*Acquiring integrated but interdisciplinary knowledge on risk management for sustainable development.*

Graduates of the international Master level course “EH+S RM” will find a variety of job opportunities in the private and public sector. Throughout the combination of basic engineering and methodological knowl-

edge with business management and an excellent qualification in management systems and languages, graduates will represent a high potentiality for leading positions.

Graduates will be perfect for positions as:

- Young professionals in engineering and planning enterprises, energy production companies, consulting firms
- Experts for integrated management systems in companies, especially the automotive industry
- Scientists in research departments, especially in internationally oriented companies
- Experts in NGO’s focusing on sustainable development
- Environmental administrators in supervisory agencies at community, regional or federal level
- Experts in the European Union and the United Nations
- Scientists at universities and research institutes

# Master Degree: MSc EH+S RM and Accreditation



At present, the MSc course on “Environmental Health & Safety Risk Management” is developed to match the accreditation criteria. The accreditation is planned for 2006.

After successful completion of the Master’s examination, a certificate,

a diploma stating that the university degree of “Master of Sciences in Environmental Health & Safety Risk Management“ is awarded and a diploma supplement are issued.



Graduates of the Neisse University

# Curriculum and Module Descriptions



The curricula of the course on „Environmental Health & Safety Risk Management“ is divided into 5 different categories with different modules dependent on the contents of teaching. The modules will be on offer at the Politechnika Wroclawska for the first semester, at

the Technická Univerzita V Liberci for the second semester and finally, at the Hochschule Zittau/Goerlitz (FH), for the third semester. The fourth semester is dedicated to the preparation of the master thesis in one of the three countries.

| 1. SEMESTER<br>Poland  | 2. SEMESTER<br>Czech Republic | 3. SEMESTER<br>Germany | 4. SEMESTER<br>Industrial Placement |
|--|-------------------------------|------------------------|-------------------------------------|
| Category I: <b>Fundamentals</b>                                    |                               |                        |                                     |
| Category II: <b>Risk Management</b>                                |                               |                        |                                     |
| Category III: <b>Natural Sciences/ Technical Issues</b>            |                               |                        |                                     |
| Category IV: <b>European Environmental Law/ National Standards</b> |                               |                        |                                     |
| Category V: <b>Languages</b>                                       |                               |                        |                                     |

# Curriculum and Module Descriptions



## I. FUNDAMENTALS

### Compulsory Module

Module 1: Nature Conservation/Spatial Planning 3rd Semester, 5 ECTS

- Definitions, fundamentals and methods of nature conservation
- Conservation of special habitats
- Species protection
- Objective, legal and political fundamentals of spatial structure

### Compulsory Optional Modules (1 out of 2)

Module 19-1: Mathematics/Statistics/Information Sciences 1st Semester, 5 ECTS

- Fundamentals of mathematical and statistical methods
- Fundamentals of information sciences (application software, program design, programming languages, databases, networks)
- Write and verbalize arguments in a logical and precise way

Module 19-2: Biology/Chemistry/Physics 1st Semester, 5 ECTS

- Fundamentals of biology and biotechnology
- Organic, inorganic and descriptive chemistry
- Physics with the focus on health and safety (noise, electromagnetic waves, vibrations, light radiation, radiation)

# Curriculum and Module Descriptions



## Compulsory Modules

### II. RISK MANAGEMENT

|   |                      |
|---|----------------------|
| Module 2: <b>Business &amp; Industrial Management I</b>   | 1st Semester, 5 ECTS |
| <ul style="list-style-type: none"><li>■ General management processes: work and organization management problems and human resource management</li><li>■ Fundamentals in business and industrial management: micro and macro economy theory</li><li>■ Develop, manage and control an organization</li></ul>  |                      |
| Module 3: <b>Business &amp; Industrial Management II</b>  | 2nd Semester, 5 ECTS |
| <ul style="list-style-type: none"><li>■ Comparison of Czech, German and Polish legal conditions for business activities</li><li>■ Practical introduction and application of instruments and techniques in project management with accompanying case study</li></ul>   |                      |
| Module 4: <b>Sustainability</b>   | 1st Semester, 5 ECTS |
| <ul style="list-style-type: none"><li>■ Fundamentals of sustainability</li><li>■ Chemistry and sustainable development knowledge from the border line of biology and chemistry in the light of the sustainable development of chemical industry</li><li>■ Reflection on different sectors: companies, agriculture, tourism, education, urban development, ...</li></ul> |                      |
| Module 5: <b>Integrated Management Systems (QHSE) I</b>   | 2nd Semester, 5 ECTS |
| <ul style="list-style-type: none"><li>■ Ecological and economical systems</li><li>■ Quality and environmental management systems, industrial health &amp; safety standards, integrated management systems</li><li>■ Eco-efficiency: practical training in companies, project thesis</li></ul>   |                      |
| Module 6: <b>Integrated Management Systems (QHSE) II</b>  | 3rd Semester, 5 ECTS |
| <ul style="list-style-type: none"><li>■ Life cycle assessment (company material and energy flow management, practical introduction to the software Umberto)</li><li>■ Business risks</li><li>■ Eco-efficiency: practical training in companies, project thesis (part 2)</li></ul>   |                      |

# Curriculum and Module Descriptions



## Compulsory Modules

### III. NATURAL SCIENCES / TECHNICAL ISSUES

#### Module 7: Environmental Quality

1st Semester, 5 ECTS

- Environmental analysis (analytic techniques, instrumental analysis, environmental sampling, environmental pollution control practical training)
- Ecology and environmental protection (international environmental movement, global environment resources, protected areas, ecological agriculture)

#### Module 8: Industrial Engineering

2nd Semester, 5 ECTS

- Introduction to the industrial engineering as a discipline for design, improvement and installation of integrated systems of men, materials, equipment and energy
- Human factors in the traditional and modern industrial engineering and role of people in modern production systems

#### Module 9: Energy & Material Efficiency: Instruments for climate protection

3rd Semester, 5 ECTS

- Climate protection (global energy resources, reducing atmospheric impact, emission trading)
- Cleaner production and renewable energy
- Case studies

#### Module 10: Management of Waste Disposal and Hazardous Materials / Recycling-Techniques

3rd Semester, 5 ECTS

- Waste systematic (sources, quantities, constitutions, categories)
- Regulations and standards
- Requirements for exploration of disposal sites
- Waste treatment, recycling

# Curriculum and Module Descriptions



## Compulsory Optional Modules (2 out of 4)

### III. NATURAL SCIENCES / TECHNICAL ISSUES

Module 20-1: Environmental Aspects of Textile Finishing 2nd Semester, 2,5 ECTS

- Theory and technology of textile dyeing, printing, finishing, washing and drying with emphasis on environmental issues
- Novel approaches and technological innovations to textile finishing using best available techniques

Module 20-2: Textile Nanomaterials 2nd Semester, 2,5 ECTS

- Nanofibre materials and testing of nanofibre materials, manufacturing and synthesis of nanofibres
- Carbon nanotube, carbon nanofibres and nanowires
- Electro-spinning and electro-spun nanofibres

Module 20-3: Medical Textiles & Tissue Engineering 2nd Semester, 2,5 ECTS

- Environmental aspects of medical textiles & tissue engineering
- Cell and tissue biology
- Technology for medical textiles
- History and definition of medical textiles

Module 20-4: Information Technique /  
Geographic Information Systems 2nd Semester, 2,5 ECTS

- Geographic information systems (GIS)
- Internet GIS
- Practical training in GIS using leading products such as ArcGIS and PostgreSQL/PostGIS



# Curriculum and Module Descriptions



## Compulsory Modules

### IV. EUROPEAN ENVIRONMENTAL LAW / NATIONAL STANDARDS

Module 11: European & Polish Environmental Standards 1st Semester, 5 ECTS

- European environmental law
- Transition of Polish environmental law and regulations into EU regulations
- Polish environmental law (waste and waste packaging management regulation, water regulation, air regulation, chemical substances and other sources of environmental harm, nuclear safety, nature regulation)

Module 12: European & Czech Environmental Standards 2nd Semester, 5 ECTS

- European environmental law
- Transition of Czech environmental law and regulations into EU regulations
- Czech environmental law (waste and waste packaging management regulation, water regulation, air regulation, chemical substances and other sources of environmental harm, nuclear safety, nature regulation)

Module 13: European & German Environmental Standards 3rd Semester, 5 ECTS

- European environmental law
- Transition of German environmental law and regulations into EU regulations
- German environmental law (waste and waste packaging management regulation, water regulation, air regulation, chemical substances and other sources of environmental harm, nuclear safety, nature regulation)

# Curriculum and Module Descriptions



## V. LANGUAGES

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### Compulsory Modules

|                   |                      |
|-------------------|----------------------|
| Module 14: Polish | 1st Semester, 5 ECTS |
| Module 15: Czech  | 2nd Semester, 5 ECTS |
| Module 16: German | 3rd Semester, 5 ECTS |

## POST-GRADUATE SEMINAR AND MASTER THESIS

---

### Compulsory Modules

|                                  |                       |
|----------------------------------|-----------------------|
| Module 17: Post-Graduate Seminar | 4th Semester, 5 ECTS  |
| Module 18: Master Thesis         | 4th Semester, 25 ECTS |

# Entrance Requirements



*„For me Neisse University is an exciting adventure“*

*Veronika Jonova,  
Czech student*

The demands on engineers taking part in interdisciplinary technological innovation and development projects are growing and are becoming more and more complex. Additional knowledge of technical, environmental and social aspects as well as management items is necessary.

Access to a study course at the Hochschule Zittau/Goerlitz (FH) requires fulfilment of the prerequisites of study defined by § 13 SächsHG as well as by the enrolment order of the Hochschule Zittau/Goerlitz (FH). In addition, the candidate is supposed to have graduated from a study course of at least three years corresponding to at least 180 ECTS credits with a degree qualifying for entering a profession in the field of environmental, engineering or, respectively, economic sciences or similar branches of study related to environmental issues, or render proof of equivalent course credits or examination performances achieved in a related branch of study.

Another requirement for admission to the study course is that the can-

didate shall prove good English language capabilities (e.g. Unicert II, TOEFL, Cambridge, etc.). Proof of



**Project Workshop -  
2006 in Goerlitz**

the language capabilities is to be submitted with the application dossier at the latest.

The applicant also has to produce a document proving that he held a job in any of the fields of environmental, engineering or, respectively, economic sciences for at least one year. Some sort of a selection procedure is intended.

# Financial Aspects



The tuition fee for this international Master's programme is € 560 per semester and student. This tuition fee includes the registration and semester fee.

The tuition fee covers costs for teaching and administrative staff and cost in connection with laboratory materials. No costs for teaching materials are included here.



Additional expenses for living and housing should be expected.

***"I think it's great that within Neisse University you meet new people from other countries and thus get to know their culture, language and traditions. You can take language courses and teachers are very cooperative and supportive."***

Małgorzata Birowska, Polish student

# How to Apply ?



The course “Environmental Health & Safety Risk Management”

- is meant for engineering graduates from all over the world. It is strictly international. All lessons and communications are in English,
  - provides individual coaching and personal communication during the application phase as well as throughout the entire course.
  - is a unique combination between academic training and practical experience. All projects are in direct cooperation with local industry,
  - offers a broad variety of skills from technology to economics and management and to environmental protection,
- The official application procedure will start on May 01<sup>st</sup>, 2006 and will end on **July 15<sup>th</sup>, 2006**.
- For application, a written dossier is required (templates will be made available via web site).



Neisse University students

## The Application Dossier should include:

- Completed application form
- CV with photo
- Personal statement of your reasons for applying
- 1 letter of recommendation
- Necessary proofs of graduation, practical experience and language skills (certified copy)

Please send all documents to:

Neisse University Secretary  
Theodor-Körner-Allee 16  
02763 Zittau  
Germany

# Professors and Teachers



## Professors and Teachers from Zittau (Germany)

|                                      |   |
|--------------------------------------|---|
| Dr. Dietmar Bothmer                  | <ul style="list-style-type: none"><li>■ Information Technique / Geographic Information Systems</li></ul>  |
| Prof. Dr. rer. nat. Bernd Delakowitz | <ul style="list-style-type: none"><li>■ Integrated Management Systems (QHSE) I</li><li>■ Integrated Management Systems (QHSE) II</li><li>■ Energy and Material Efficiency: Instruments for Climate Protection</li><li>■ Management of Waste Disposal and hazardous Materials / Recycling-Techniques</li><li>■ European &amp; German Environmental Standards</li></ul> |
| Prof. Dr. Dr. hc. Walter Leal        | <ul style="list-style-type: none"><li>■ Sustainability</li></ul>  |
| Prof. Dr. rer. nat. Christa Heidger  | <ul style="list-style-type: none"><li>■ Nature Conservation / Spatial Planning</li></ul>  |
| Dipl.-Kff. Anke Zenker-Hoffmann      | <ul style="list-style-type: none"><li>■ Business &amp; Industrial Management II</li><li>■ Post-Graduate Seminar and Consultations</li></ul>   |
| Prof. Dr.-Ing. Jürgen Schoenherr     | <ul style="list-style-type: none"><li>■ Management of Waste Disposal and hazardous Materials / Recycling-Techniques</li></ul>   |

# Professors and Teachers



## Professors and Teachers from Wrocław (Poland)

|  |  |
|--|--|
| Dr. Magdalena Klakočar Ciepacz<br>Dr. Stanisław Lochyński<br>Dr. Artur Mucha<br>Prof. Jozef Oleksyszyn | ■ Biology/ Chemistry/ Physics  |
| Dr. Izydor Drela<br>Dr. Adam Pawelczyk   | ■ Energy and Material Efficiency:<br>Instruments for Climate Protec-<br>tion |
| Dr. Helena Kajetanowicz  | ■ Polish   |
| Dr. Przemysław Kajetanowicz<br>Dr. eng. Zygmunt Meissner   | ■ Mathematics/ Statistics/ Infor-<br>mation Sciences                         |
| Dr. Inz. Barbara Kozłowska   | ■ European & Polish Environmen-<br>tal Standards                             |
| Dr. Zofia Krokosz-Krynke<br>Dr. Gabriela Paszkowska  | ■ Business & Industrial Manage-<br>ment I                                    |
| M. Sc. Siencyk   | ■ Sustainability   |
| Dr. Barbara Pniak<br>Dr. Mieczysław Steininger<br>Prof. Tomasz Winnicki                                | ■ Environmental Quality  |

# Professors and Teachers



## Professors and Teachers from Liberec (Czech Republic)

---

PhDr. Věra Jarolímková  
Mgr. Zdenka Machotkova

- Czech

Prof. Oldřich Jirsák  
Ing. Eva Košťáková

- Textile Nanomaterials

Prof. RNDr. David Lukáš, CSc.  
Ing. Lenka Martinová, CSc.

- Medical Textiles & Tissue Engineering

Ing. Kateřina Maršíková, Ph.D.

- Business & Industrial Management II

Dr. Ivan Mašin

- Industrial Engineering

Ing. Mgr. Eva Šůrová

- European & Czech Environmental Standards

Doc. Ing. Miroslav Prášil, CSc.  
Ing. Jakub Wiener, Ph.D.

- Environmental Aspects of Textile Finishing



# Basic Local Parameters



## Zittau

More Information:  
[www.zittau.de](http://www.zittau.de)

Zittau has around 25,700 inhabitants and is situated in the south-eastern part of Germany. This region in the east of the federal state of Saxony, called Upper Lusatia (Oberlausitz), is an area full of diversities. Wide, untouched landscapes where heathland and lakes meet with wonderful woodlands and charming hills.



**Lausche (Zittauer Gebirge)**

The "Zittauer Gebirge", the mountainous area near Zittau, has well-marked walking-paths, wonderful views and resting places. Besides so many attractions in the summer, Upper Lusatia invites for a number of winter activities too, like skiing, cross-country skiing, ice-skating and sledge rides. The towns, like Zittau or Goerlitz, are well-kept, with their treasures and their precious

architectural style, witnesses of a great past. For hundreds of years, the region has been a meeting point of significant trade routes and is now becoming a bridge between Middle- and Eastern Europe.



**City Hall of Zittau**

Significant from a historical point of view is the late mediaeval "Großes Fastentuch" ("large Lenten veil") shown in the "Kirche zum Heiligen Kreuz" (Church of the Holy Cross). The "Großes Fastentuch" is the only one in Germany and the third biggest Lenten veil existing with a height of 8.20 m and a width of 6.80 m.

# Basic Local Parameters



## Wrocław

**More Information:**  
[www.wroclaw.pl](http://www.wroclaw.pl)

Wrocław is an excellent example of a multicultural metropolis situated at the interface of ethnically diverse areas. For a greater part of the city's history, German was the dominant language in Wrocław. However, for several generations the city was home to the Korn publishing house, which printed many books in Polish (250 titles between 1732-1790). Here the German playwright Karl Holtei staged a play about the Polish national hero Tadeusz Kościuszko in 1826. The Czechs also played an important role in the city's history (in 1335-1526 Wrocław belonged to the Kingdom of Bohemia). As late as 1719, the great sculptor Johann Georg Urbański of Bohemia was given the key to the city.



**City Hall, Market Square, vicinities**

Multiculturalism again left a very deep impression on the city's character after the Second World War, when the city's German population was largely replaced by people arriving from various regions of Po-

land, including those resettled from the eastern provinces of Poland taken over by the Soviet Union.



**Hala Ludowa and vicinities**

In particular, many former citizens of Wilno and Lwów settled here. With them came the great library collection of the Ossoliński Institution from Lwów, which found a new location in the magnificent Baroque edifice of the former monastery of the Red Star Knights of the Cross. Two other works of unique significance for Polish culture were transferred from Lwów: the statue of the leading Polish comic dramatist, Count Aleksander Fredro, and the Panorama of the Battle of Racławice, a monumental painting representing the victorious battle with the Russian forces fought by Tadeusz Kościuszko on April 4<sup>th</sup>, 1794, one of only a few paintings of this kind to have survived in Europe until the present. It took over 35 years before it was possible to show the Panorama to the public, but today it is one of the city's most popular tourist attractions.

# Basic Local Parameters



**More Information:**  
[www.liberec.cz](http://www.liberec.cz)

## Liberec

Liberec has around 100,000 inhabitants and with this it ranks sixth amongst the biggest cities in the Czech Republic. The town is sandwiched between the Ještěd (German: Lausitzer) mountains and the Jizera (Iser) mountains - both of them more than 1000 m high. Between the mountain ranges, the Lužická Nisa (Lausitzer Neisse) river flows northwards, where it marks the border between Poland and Germany.

offers a zoo, a botanical garden, a small palace built in the 16th century and now used as a glass museum, and much more.



**The Jeschken south-west of Liberec is a famous landmark**



**The beautiful City Hall of Liberec**

Walking through the centre, you will definitely stumble across the huge city hall facing the main square. This beautiful neo-renaissance building was planned by F. Neumann and built between 1888 and 1893. The middle tower is 65 m high. At night, the illuminated city hall is an attraction of its own. The buildings behind the city hall are very beautiful as well - amongst them, there is a big theatre. Additionally, Liberec

The 1011 m high and very distinctive Mt. Ještěd (Jeschken) is almost as famous as the city itself. The mountain itself is nothing unusual, but the white, cone-shaped tower on top of the mountain makes an excellent landmark. The structure houses a hotel and telecommunication facilities.

# Accommodation



You can choose to live either in a student dormitory or in a private accommodation in the town of Zittau, Wrocław and Liberec. All student dormitories are situated down town in a nice environment. The equipment is good, Internet of high speed at your disposal. There are three dining rooms of menza. You can also find a private accommoda-

tion in the town of Liberec. Most of the dormitories make high-speed internet available.

Additionally, in Zittau and Liberec the Student Service Office provides a day nursery for children of students (with costs). There are further private and municipal providers offering apartments.

## Zittau

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The Student Service Office runs student dormitories in Zittau with accommodations in single and double

rooms (cost estimated at € 180 in May 2005).

## Wrocław

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The Student Service Office runs student dormitories in Wrocław with accommodations in single, double

and triple rooms (cost - between 60 and 80 Euro per month).

## Liberec

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The Student Service Office runs student dormitories in Liberec with accommodations mainly in double

rooms (cost approx. 80 euros per month).

# Contact



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