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Preparing young people for the best possible start to their working life is our ultimate goal. Teaching young people all specialist knowledge they will need in their career takes highest priority; however, we highly value the development of social competence. Social skills are absolutely essential to be able to work successfully in a team or as a manager today. It takes more than hard study to learn those – they have to be developed as part of your personality; soft skills can only be learned by dealing with others, most effectively in an interdisciplinary setting.

We have always placed priority on keeping an open approach, rather than hiding in an ivory tower. One of our principles has always been to encourage our students to think outside the box, to be open to new ideas and outside influences and to encourage others to take up the same challenge. We have every intention of redoubling our efforts in keeping to this principle. Our university is destined well-equipped for these purposes:

- Our broad range of courses makes it almost impossible for students from different faculties not to interact and communicate, be this while socialising, during meals in the canteen, or more especially while working on interdisciplinary projects.
- Our university is located at several sites and cities in the region; we see this as a benefit and an opportunity. We have always maintained excellent contact to companies in the region, working closely with them on research and development.

Our students benefit not only during their course of studies, but also in moving on to professional life.

- Keeping an open approach means crossing boundaries; we are pleased to welcome students and lecturers from abroad, and we support our own students and lecturers on their periods abroad – whether studying or acting as guest lecturers at one of our many partner universities, or on internship semesters outside Germany.

We do not want our young people to lose their curiosity; we want them to keep their thirst for knowledge and their motivation. We are convinced that studying in an open atmosphere will help fulfil this aim.

I cordially invite you to find out more about us on the following pages. Come and visit us – on the Web, at one of our many events, or in a personal interview.

Best regards



Prof. Dr. Wolf-Rüdiger Umbach
President



First, the key facts

A state-of-the-art university for technology, health, law, social and business studies, Ostfalia is one of the largest universities of applied sciences in Lower Saxony. There are currently around nine thousand students enrolled at our university, a number that is set to grow in the next few years. This is the result of the effects of the Higher Education Reform Pact 2020 across Germany and the lowering of the age at which university entrance examinations can be taken.



We provide a wide range of courses with excellent career opportunities at our sites in Salzgitter, Suderburg, Wolfenbüttel and Wolfsburg, courses that include distance learning options, eLearning and vocational training modules.

Our courses of study at Ostfalia are now based on the Bachelor's and Master's degree system while keeping the benefits of studying at a university of applied sciences: practical, intensive and flexible programmes of study, university lecturers with professional experience in their fields of expertise, and small group sizes. All of our courses are oriented towards the current requirements of the employment market, ensuring a smooth transi-

on to professional life. Three-quarters of our graduates find appropriate employment within three months of graduation from our university.

We have knowledgeable and approachable contact staff, state-of-the-art laboratories, a powerful computer lab and large university libraries to provide the best possible environment for studying. Another major advantage of studying outside the major cities is the reasonable cost of living. At Ostfalia you quickly find your feet and make new friends.

"If I had to decide all over again, I'd choose Ostfalia for my studies. Everything ran smoothly from the start with the other students taking good care of us newcomers. Studying was fun; I was not only given the knowledge I needed in the field I was studying in, I also learned how to work in a team and gained a general impression of the project at hand and to look at it from all sides, something which is very important in my profession. This was the ideal preparation for moving on from studying to professional life."

Michael Przybilla, alumnus of the Faculty of Electrical Engineering, now an engineer at German Aerospace (Deutsches Zentrum für Luft- und Raumfahrt).



From Christian Social Women's College to Ostfalia

The year 1905 saw the "Christlich-Soziale Frauenschule" (Christian Social Women's College) founded in Hanover. The college developed into the "Niedersächsische Landeswohlfahrtsschule" (Lower Saxony College of Social Studies) – and the "Höhere Fachschule für Sozialarbeit" (College of Higher Education for Social Affairs) in Lower Saxony based in Braunschweig.

The "Technikum" (Technical College) was founded in Wolfenbüttel in 1928. The private college providing courses in Mechanical and Electrical Engineering was transformed into the "Staatliche Ingenieurakademie" (State Engineering Academy) in 1968.

The year 1971 saw both institutes merged into "Fachhochschule Braunschweig/Wolfenbüttel" (Braunschweig/Wolfenbüttel University of Applied Sciences) with student numbers then totalling eight hundred and fifty. A wide variety of new academic disciplines were introduced in the years to follow. In 1988, the "Institut für Fahrzeugbau" (Institute for Automotive Engineering) in Wolfsburg was established, the forerunner of the Faculty of Automotive Engineering and the third location Salzgitter followed in 1993.

The Suderburg Campus joined the university in 2009, with the Faculty of Civil and Environmental Engineering. The Faculty of Trade and Social Work joined Ostfalia in 2010.

All institutes and sites belonging to the Braunschweig/Wolfenbüttel University of Applied Sciences were united under the name "Ostfalia Hochschule für angewandte Wissenschaften", or Ostfalia University of Applied Sciences in September 2009.

- Twelve faculties
- Twenty-one institutes, seven affiliated institutes
- Locations in Salzgitter, Suderburg, Wolfenbüttel and Wolfsburg
- Around ten thousand students, ten percent from abroad
- Seven hundred and eighty employees including more than a hundred and ninety five professors
- Ca. € 77 million total budget (2011; incl. resources for construction and reconstruction of buildings)



Ostfalia provides an extremely wide range of courses in a variety of disciplines – about seventy Bachelor’s and Master’s degree courses in technology and IT, social work and health, media and design, and business and law, while our dual courses include practical professional training. Our eLearning and on-the-job programmes round off our range of courses.

A summary of the faculties

- Salzgitter**
 - Faculty of Transport-Sports-Tourism-Media – Karl Scharfenberg
- Suderburg**
 - Faculty of Civil and Environmental Engineering
 - Faculty of Trade and Social Work
- Wolfenbüttel**
 - Faculty of Electrical Engineering
 - Faculty of Computer Science/IT
 - Faculty of Mechanical Engineering
 - Faculty of Law – Brunswick European Law School (BELS)
 - Faculty of Social Work
 - Faculty of Supply Engineering - Energy, Environment, Facility Management
- Wolfsburg**
 - Faculty of Automotive Engineering
 - Faculty of Public Health Services
 - Faculty of Business

In all degree programmes, we focus on giving our students a firm grounding in theoretical subject-based knowledge, but also on making clear how relevant this knowledge is in practice. We train our students to apply and transfer this knowledge to actual real-life situations. To this end, we use not only our own in-house facilities such as laboratories, and our close contacts to the business community. Finally, we make use of interdisciplinary projects to prepare our students for the realities of professional life – the type of challenge our students will face, dealing and communicating with professionals from other disciplines – while gaining the ability to look at a certain issue from a variety of angles rather than being bogged down in specialist jargon.

The language centre and the centre for extra-curricular qualification provide support for our faculties. We currently supply training for twelve foreign languages as well as courses in key qualifications. We also have our own university workshop to train our students to manufacture individual parts, and complete test benches for research and training.

Dual courses

Our numerous dual courses are an unusual feature at Ostfalia. These courses are held in combination with professional training in a related discipline at one of our partner companies – these include major companies such as Volkswagen, Siemens and MAN, but also small and medium-sized businesses. This provides a range of benefits for our students – time savings; immediate transfer from theory to practice; mostly paid work, often with employment guaranteed by the company after the course. This model provides excellent opportunities for our partner companies to find and secure talent early, and especially to counter the lack of young specialists in engineering fields.

Salzgitter



Faculty of Transport-Sports-Tourism-Media
Karl Scharfenberg Faculty

The faculty is located in the charming countryside in Salzgitter-Calbecht. The university is accommodated in the former headquarters of the Salzgitter Erzbergbau AG (Salzgitter Ore Mining Company), which underwent complex renovations in the Nineties. We have more than two thousand students at this campus in five institutes, being trained as managers - managers with a thorough theoretical footing as well as a full repertoire of skills in social competency, languages, and methodology. Our partnerships in the business world contribute to this practical, real-life focus of studies.



Course range

- Faculty of Transport-Sports-Tourism-Media
Karl Scharfenberg**
- Logistics (part-time in industry with integrated vocational training) (B.A.);
 - Logistics and Information Management (B.A.)
 - Public Transport Management (B.A.)
 - Media Design (B.A.)
 - Media Management (B.A.)
 - Sports Management (B.A.)
 - City and Regional Management (B.A.)
 - Tourism Management (B.A.)
 - Transport and Logistics Management (B.A.)
 - Industrial Engineering/Traffic Management (B.Sc.)
 - Environmental and Quality Management (MBA); distance learning course
 - Sales Management (MBA); distance learning course
 - Transport and Logistics (M.A.)
 - Leadership in Service Enterprises (M.A.)



“I particularly appreciate the personal atmosphere at Ostfalia. The staff is always ready to listen to any issue students might have – even individual questions and issues. I feel like a part of it, I feel like I’m taken seriously. The most important factors that played a part in deciding to study at Ostfalia were the excellent contacts to the business world and the application-oriented subject combinations that prepare us very well for professional life.”

Anika Gottschall, Business Law student

Suderburg



Course range

Faculty of Civil and Environmental Engineering

- Applied Computer Science (B.Sc.)
- Civil Engineering (Hydraulic Structures and Underground Engineering) (B.Eng.), also with integrated vocational training in association with companies
- Water and Soil Management (B.Eng.)
- Climate Change and Water Management (M.Sc.)

Faculty of Trade and Social Work

- Business Management (B.A.), online degree course
- Social Work (B.A.)
- Trade and Logistics (B.A.)

Faculty of Civil and Environmental Engineering

This internationally renowned faculty did not join Ostfalia until 2009, but it has a history that goes back one and a half centuries. This course is unique across Germany, and deals with our natural resources, water and soil – issues with increasing political and economic importance, with a corresponding need for trained experts in the field. Thirteen professors keep close contact to the business world inside and outside Germany alongside their lecturing activities, ensuring that their teaching materials are kept up to date.

Faculty of Trade and Social Work

The Suderburg Campus has extended its traditional range of engineering-related courses with a second faculty for business management and social work courses. This addresses the growing need for experts trained in practically-oriented courses in trade and logistics as well as social affairs. Right from the start students learn to work as specialists in the field, tackling real-life-oriented projects at a grass-roots level in interdisciplinary teams in an innovative atmosphere. This has only been made possible by a number of agreements with companies and social organisations, international networks, and the support for students provided by lecturers.

Wolfenbüttel



Faculty of Electrical Engineering

This faculty has kept its place within Germany's top ten universities over the past years. In close collaboration with industry, we give our students thorough subject knowledge while developing a business-oriented engineering approach. This prepares our students for work in research and development, management in planning and implementing projects and in production and in key service and marketing positions. Placing priority on a high level of practical orientation, the faculty works closely with global players such as Volkswagen, Siemens and Bosch, and also with a large number of small and medium-sized businesses in the region as well as German Aerospace (Deutsches Zentrum für Luft- und Raumfahrt) on many projects.

Faculty of Computer Science/IT

This faculty encompasses three institutes with eighteen professors as well as a large number of associate lecturers and research lecturers to ensure complete in-depth training. Subject knowledge is taught according to the actual needs of this specialised field, which is in constant development. Practical orientation – the faculty works with industrial partners in every area of specialisation – and the excellent quality of training ensure a smooth transition to professional life after graduation with a Bachelor's degree. Ostfalia works together with Braunschweig University of Art in its New Media Studies courses; we also offer two online courses together with other universities in a Virtual University of Applied Sciences.

Course range

Faculty of Electrical Engineering

- Automation and Energy Systems (B.Eng.)
- Information Technology and Communication Systems (B.Eng.)
- Electrical Engineering (part-time in industry with integrated vocational training) (B.Eng.)
- Electronic Systems (M.Eng.);
 - Mobility and Automation
 - Systems and Communications

Faculty of Computer Science/IT

- Media Computer Science (B.Sc.); online degree course
- Business Computer Science (B.Sc.); also as online degree course
- Computer Science (B.Sc.)
 - Information Engineering
 - Software Engineering
 - Computer Engineering
 - System Engineering
 - Media Computer Science
 - Media Computer Science/Design
- Computer Science (part-time in industry with integrated vocational training) (B.Sc.)
- IT Management (B.A.)
- Computer Science (M.Sc.)



Faculty of Mechanical Engineering

Founded in 1928, this faculty has a long history to look back on. The curriculum included a practical semester as early as 1974 and as this practice has proven its worth from the start it has been included in the new Bachelor's degree courses. The Mechanical Engineering Faculty played a major role in the founding of a new Institute of Automotive Engineering in 1988 – the first institute ever at a German university of applied sciences. The new European Engineering Technology course introduced in 1995 demonstrates how long the faculty has prioritised an international study orientation; the faculty ranks in the top ten of Germany's universities. As ever, the faculty's strength lies in its practical orientation – in research and training, the faculty's close proximity to companies such as Volkswagen, MAN, Siemens and Salzgitter Stahl but also many small and medium-sized businesses is a benefit that the faculty uses to its best advantage. The faculty also offers highly intensive support for students in small groups from capable lecturers with experience in their field.

Course range

Faculty of Mechanical Engineering

- Mechanical Engineering (B.Eng.)
 - Drive and Automotive Engineering
 - Design and Development
 - Mechatronics
 - Production and Logistics
- Mechanical Engineering (part-time in industry with integrated vocational training) (B.Eng.)
- Industrial Engineering (B.Eng.)
- Industrial Engineering (part-time in industry with integrated vocational training) (B.Eng.)
- Automotive Production (M.Eng.); extra occupational
- Systems Engineering (M.Eng.);

Faculty of Law

- Law, Finance and Tax (LL.B.)
- Law, Human Resources Management and Personnel Psychology (LL.B.)
- Economic Law (LL.B.)
- International Law and Business (LL.M.)



Faculty of Law – Brunswick European Law School (BELS)

The courses at the faculty are a practice-oriented alternative to university studies for those aiming towards a career in law, but not as lawyers or judges. These courses provide a combination of business and law topics with excellent career prospects. The faculty was founded under the name Brunswick European Law School (BELS) in 2007, and includes four institutes with their own specialisations. Sixteen professors and more than forty associate lecturers ensure intensive training for around eight hundred and fifty students. The courses cover a complete grounding in theory coupled with practical knowledge and skills, which include key specialist qualifications.



"We moved here after one year of commuting between Hanover and Wolfenbüttel. Wolfenbüttel – a quiet, attractive town in pleasant surroundings at the door to the Harz Mountains – made it much easier for me to make this decision."

Prof. Dr.-Ing. Christoph Hartwig, Faculty of Mechanical Engineering, Institute for Mechatronics

Faculty of Social Work

This is one of Ostfalia's largest faculties with more than nine hundred students and a history that goes back more than a century. Most have enrolled in the Social Work Bachelor's degree course, a combination between social work and sociology. The students are taught intensively in small groups by twenty two professors and sixteen associate lecturers; all of the courses are subject to constant change and alteration to match social change and new challenges posed by the profession. These courses qualify students to work with a variety of target groups in many fields of activity; constant transfer of knowledge and experience between the university and the professional world keep the courses up to date.

Faculty of Supply Engineering – Energy, Environment, Facility Management

The offered courses from the faculty – which dates back to 1973 – have been oriented towards tomorrow's markets and solving critical problems facing us all in the future. These include reducing greenhouse gases and the development of regenerative energies as well as planning and constructing buildings with the lowest possible energy consumption – such as by recovering surplus waste heat for heating and hot water. Whether in energy, bioprocess engineering or environmental protection, we have sixteen labs with state-of-the-art testing equipment to ensure high-quality training. Nineteen professors, twenty two associate lecturers and forty-one research staff members ensure the best possible training for around six hundred students. The tutor's many years of professional experience in industry and renowned research organisations contribute to the course content. Our sixteen partner companies as well as a number of alliances ensure course content that is oriented towards practical application.

Course range

Faculty of Social Work

- Social Work (B.A.)
- Preventive Social Work (M.A.)
- Social Management (MSM); distance learning course
- Outdoor Education/Outdoor Training (certificate); extra occupational



Faculty of Supply Engineering – Energy, Environment, Facility Management

- Bio- and Environmental Engineering (B.Eng.)
- Energy and Building Technology (B.Eng.)
- Energy and Building Technology (B.Eng.); part-time in industry with integrated vocational training
- Energy Systems Technology (M.Eng.); optional extra occupational
- Technology and Operation of Energy Distribution Networks (M.Eng.)



Course range

Faculty of Automotive Engineering

- Automotive Engineering (B.Eng.) and Automotive Engineering (B.Eng.) (part-time in industry with integrated vocational training)
 - Powertrain and Chassis Engineering
 - Body and Interior Development
 - Polymer Engineering
 - Production and Environmental Engineering
 - Service Technology and Processes
- Automotive Mechatronics and Embedded Systems (B.Eng.) and Automotive Mechatronics and Embedded Systems (B.Eng.)(part-time in industry with integrated vocational training)
 - Mechatronics
 - Embedded Systems
- Industrial Engineering (B.Eng.) (Cooperation with Faculty of Business)
- Automotive Service Technology and Processes (M.Eng.); extra occupational
- Automotive Systems Technology (M.Sc.); extra occupational
- Alternative Automotive Powertrains (M.Eng.); extra occupational



Faculty of Automotive Engineering

The faculty has more than twenty years' experience in training engineers in a range of courses specifically dedicated to the automotive field. The Faculty of Automotive Engineering works closely with the large numbers of automotive companies in the region, and provides excellent application-oriented research – which also reflects in the courses. A students' engineering studio and our Team wob-racing are two examples of the high-quality and high-motivation projects at the faculty. Professors with professional experience, state-of-the-art technological facilities and moderately sized enrolment numbers for each semester provide an ideal studying environment for placing graduates in pole position for a racing start to their careers.

Faculty of Public Health Services

The public health sector has developed into an important business factor; the importance of specialists and management employees is steadily increasing – employees with medical, biological and engineering knowledge alongside a working knowledge of business. Ostfalia founded this faculty and its courses in 1994 to address these issues. We have twelve professors, eight associate lecturers and several other external guest lecturers teaching around five hundred students. The practice-oriented courses take place in moderately sized groups, and we actively support internship semesters abroad.

Faculty of Business

The Faculty of Business at Ostfalia prepares its students for careers in the business world with its ever-increasing globalisation in courses that take a specialist and cross-discipline approach. We have many applicants for our courses, and the career prospects for our graduates are excellent. All of our students take part in the faculty's dynamic development, which has taken a position in an environment encouraging research in the university and in industry. We have seventeen professors and six associate lecturers as well as external guest lecturers to ensure excellent transfer of specialist knowledge in our state-of-the-art training facilities. Our moderately sized groups are given the knowledge they need using a practice-oriented approach, with the knowledge applied and intensified in business simulations and projects. Key qualifications create a solid basis for working with the theoretical knowledge gained. This included communication skills as well as abstract and networked thinking, independent working and a confident attitude.



Course range

Faculty of Public Health Services

- Health Care Management (B.A.)
 - Hospital Management and Health Care Institutions
 - Health Insurance
 - Pharmaceutical Industry and Trade
- Nursing (B.Sc.); (part-time in industry with integrated vocational training)
- Nursing (B.Sc.); extra occupational

Faculty of Business

- Business Management (B.A.)
- Business Management (part-time in industry with integrated vocational training) (B.A.)
- Industrial Engineering (B.Eng.)
- Strategic Management (M.A.)
- Business Management for Engineers (M.B.Eng.); correspondance study course

If the only tool in your toolkit is a hammer, then you'll see every problem as a nail. Hardly any problem exists that can be solved by only one faculty; no product can be designed, manufactured and marketed by one discipline. It often makes sense to develop degree courses that involve more than one discipline, giving students the opportunity to understand several realms of activity. Ostfalia has introduced several degree courses along these lines, but we have taken it a step further.



Together we stand: Outdoor-Training course students

Our aim is to give our students the opportunity to learn and work as experts in their own discipline with experts from other disciplines. As an example, a design engineer should be able to explain the company's financial officer why a certain component should be used instead of another less expensive part; on the other hand, she should also be able to realise where it would be wise to rely on the expertise of the administrative departments of the company. We introduce our students to the opportunities – and also the practical issues – in cross-disciplinary cooperation in actual projects. Ostfalia's broad range of subject areas provides an excellent basis in developing interdisciplinary challenges for our students to tackle.

A few examples:

- Students from Supply Engineering work with Social Work students on requirements and technological implementation for the plumbing installations in a house accommodating several generations, a refugee home and an apartment suitable for nursery care.
- Students from Automotive Engineering enlist the services of Business Management students for marketing, fundraising and financial controlling in the team wob-racing.
- IT students work together with Design students on developing PC games.
- Our university RoboCup Team includes students from Electrical Engineering, Computer Sciences/IT and Mechanical Engineering who have all had a hand in developing and controlling their „android.“ A Business Law student contributes her business knowledge, taking on the PR.
- We have students from Supply, Electrical and Mechanical Engineering playing their part in our model-building team, developing anything from model vehicles to alternative motors.



Up on the winners' rostrum: The Ostfalia RC model-building team



Congrats! The RoboCup Team came first in China in the years 2008 and 2011.

ring, Computer Sciences/IT and Mechanical Engineering who have all had a hand in developing and controlling their „android.“ A Business Law student contributes her business knowledge, taking on the PR.

- We have students from Supply, Electrical and Mechanical Engineering playing their part in our model-building team, developing anything from model vehicles to alternative motors.

Wherever feasible and reasonable, tasks such as project and product presentations, budget negotiations and budget

control are tackled within the project – such as with the university's management or by fundraising with external businesses.

We see beneficial side effects of these course elements in the increased motivation for the more theoretical parts of the course, along with the substantial improvement in specialist and cross-disciplinary qualification.



“Auswirkungen des demografischen Wandels auf die Gestaltung von Sanitärobjekten unter genderorientierter Perspektive” – ‘The Effects of Demographic Change on the Design of Sanitary Fittings from a Gender-Oriented Perspective’ was the somewhat long-winded title for a project in which both Sociology and Supply Engineering students joined forces. First we had to agree on our terms of reference – the supply engineers had no idea what the word ‘gender’ might mean, and the sociologists had as much of an inkling as to what ‘design-units’ would refer to. However, it soon turned out that the one faculty could raise concrete problems which people faced in real life and that the other faculty could solve them the technical side. Looking outside the box and into another area of specialisation was an edifying experience indeed – and good preparation for professional life.”

Jan-Marek Heinze on an interdisciplinary project between the Faculties of Supply Engineering and Social Affairs

Ostfalia has forged joint alliance agreements with around a hundred other universities; we encourage our students to think outside the box and gain experience abroad; by the same token, we are always pleased to welcome students from all over the world.



Foreign language skills and international experience are basic requirements for any career. This is why it is important to us, to actively support students who wish to go abroad to study, whether this is for one semester or longer. Short excursions and study trips in Europe and beyond, give our students a first impression of what it will be like to study abroad. These excursions usually involve going to lectures and lab sessions at one of our partner universities as well as visiting companies or organisations on every continent. We use these contacts as a basis for our joint research agreements which we are currently expanding. We currently have projects with universities in South Africa, China, India, Austria, the USA, and the UK.

We have students from outside Germany coming to Ostfalia on integrated international courses, a situation which also bene-

fits our German students; examples include the 2+3 and CDHAW programmes giving Chinese students the opportunity to gain a university degree from Ostfalia. Other international exchange programmes with dual-degree graduation opportunities are available in Mexico, Kazakhstan, various European universities offering degrees in environmental sciences, as well as the German-Jordanian University (GJU).

International competitions

Our students have put their abilities to the test in a variety of international competitions.

- The years 2008 and 2011 saw our RoboCup Team in the IT faculty win the Mixed Reality Competition in China. RoboCup was established with the long-term goal of creating a completely autonomous team of humanoid robots to play against real-life foot-

ball champions. In principle, however, this is all about developing artificial intelligence.

- Team wob-racing designs and builds cars for the “Formula Student” every year – a racing event that sees international university racing teams from every continent competing against each other. Ostfalia offers ideal conditions in its Automotive Engineering and Business faculties as well as enterprises in the automotive industry right on our doorstep.

Summer Schools

Summer Schools give German and non-German Engineering and Economics students an opportunity to work and learn together in their areas of specialisation while focusing on international topics. Our International Summer Semester (Business Management Faculty) and Intensive Summer Programme in Environmental Engineering (Supply Engineering Faculty) follow a similar approach with programmes held in English.

Ostfalia has its own network of partner universities on all five continents, reflecting the global affiliations of our business partners, our own university sites, and the Lower Saxony region. National and European support programmes contribute towards mobility in our students and teaching staff. All exchange programmes focus clearly on international negotiation skills, learning from best practice, and mutual understanding.

On the left: Successful since years: The RoboCup-Team.
On the right: Ostfalia’s Team wob-racing.



Ready for the “Formula Student”: Ostfalia’s racing-car.

“In my course of study I can spend the fifth and sixth semester abroad to achieve a double-degree there. In our globalized world, this a terrific chance, to stand out from the crowd with one’s qualifications. This was the strongest argument for me to study at Ostfalia.”

Sebastian Becker, Bio- and Environmental Engineering student





Science@Work is the slogan under which Ostfalia has developed its activities in applied research and development. We give our students the opportunity to develop scientifically sound and realistic solutions to real-life issues together with our partners in the business community and experienced researchers at Ostfalia. Companies benefit from state-of-the-art results of research as well as cost effectiveness.

Parallel to the wide range of subject areas covered at Ostfalia, our university has a multitude of research specialities, which reflects in the areas of activity of our own and the affiliated institutes. Five main arguments have emerged from many years of cooperation with the business world for companies to join forces with Ostfalia:

- Projects that cannot be solved alone, by deadline, or with the required result because the necessary knowhow, development tools or facilities are lacking.
- Shortfalls in R&D capacity need to be bridged.
- Ideas need to be turned into products. This process benefits from the fresh impetus of a new generation.
- Companies need to develop further, and require further training for their own staff.
- Companies anticipate contact with a new generation of expertise – hopes that we can fulfil.

However, knowledge and technology transfer is not a one-way street; naturally, we at Ostfalia are not completely unselfish in looking for contact within the business sector:

- We aim to keep the courses of study we provide relevant to real life.
- The knowledge we gain from our relationships with the business world contribute to our courses and future topics of research.
- We aim to implement and apply our theoretical knowledge or results from our own lab research.
- We need external funding to employ more lecturers and improve our own facilities.

Add up the columns and you will soon see that these interests workout even. We know from experience that working together is usually a mutually beneficial endeavour for everyone concerned. Our research projects are solution-oriented, serving towards goals such as developing test procedures for products or consumer protection. They also provide impulses towards optimising products as well as development and redevelopment.

What makes our research so special?

Our professors are highly qualified. They know the practical side of the coin, as they have already proven their worth in business for at least three years before joining Ostfalia. We have been working closely with our partner companies and organisations for years, and have developed a spirit of mutual trust as well as a wealth of experience in the practical application of science. We tap into a plentiful pool of knowledge. We have networks that we can rely on.

As with our courses, we take an interdisciplinary approach to research – such as in the development of resource-saving technology. We involve our students in research projects – either directly in coursework and final projects, or through the lecturers that contribute their own research work to our courses. Our students graduate from the university with the latest that the field has to offer in terms of know-how – a benefit to business.



„Research and development at Ostfalia gives our company a stream of new inspiration – especially when it comes to turning innovation into real applications, optimising new developments, and intensifying knowledge in a practically-oriented way. This is why we set up a cooperation agreement with Ostfalia in 2005. Our common goal is to set up a competency centre for Next Generation Networks – platforms for integrating language and data in an electronic communications network. We particularly value the flexibility and capability of the university in finding interdisciplinary solutions to our challenges. Students have the opportunity of getting involved in our projects in their coursework and final projects. Since there is a scientific employee working for both the BCC and the university, we have a close connection between training and practical application. Students become personally acquainted with our company very early – and the other way around, of course. We’ve found it much easier to recruit new generations of specialists that are especially suited to our company. That’s why we’ve decided to support students at Ostfalia with grants.“

Dipl.-Ing. (FH) Josef Glöckl-Frohnholzer, CEO, BCC Business Communication Company

In-house and affiliated institutes

Institutes in the faculties

- Institute for Applied Computer Science
- Institute for Applied Law and Social Research
- Institute for Automotive Engineering
- Institute for Biotechnology and Environmental Monitoring
- Institute for Construction and Applied Mechanical Engineering
- Institute for Distributed Systems
- Institute for Electrical Systems and Automation Technology
- Institute for Energy Efficient Systems
- Institute for European and International Business Law
- Institute for Finance, Tax and Law
- Institute for Human Resources and Law
- Institute for Industrial Computer Science
- Institute for Intellectual Property, Law and Business in the Information Society
- Institute for Mechatronics
- Institute for Media Computer Science
- Institute for Production Technology
- Institute for Recycling Technology
- Institute for Simulation, Shaping and Visualization (ISMV)
- Institute for Sport, Tourism and Regional Management
- Institute for Traffic Management (IFVM)
- Institute for Transport Economics, Logistics and Financial Management (IVLF)

Affiliated institutes

- FIT – Environmental Technology Ltd
- Institute for Communication Systems and Technologies
- Institute of E-Business
- Institute of Process Optimisation and Disposal Technology (Institute of N-transfer Ltd)
- TWW – Training and Further Education Centre Wolfenbüttel.
- WTI Water Technology Institute Ltd
- WIBU – The Wolfsburg Institute for Business Development.

In the middle of Germany

We are located in the middle of Germany with sites in Salzgitter, Suderburg, Wolfenbüttel and Wolfsburg. Granted, we cannot offer students the flair of Berlin or the university biotope of Tübingen, but we do have picturesque towns, a varied range of cultural and leisure time activities and a university environment that our students easily acclimatise to without feeling lost in the anonymity of a large university.



Salzgitter monument



Salzgitter Lake with just under a mile of beach



Steterburg monastery in Salzgitter-Thiede

Salzgitter – city of contrasts

Mention Salzgitter to most Germans, and they’ll think of an industrial city. There is a lot of truth to that – Salzgitter is Lower Saxony’s third-largest industrial location, with Northern Germany’s largest inland port. Companies such as MAN and Salzgitter AG are based in Salzgitter, along with a variety of small and medium-sized businesses. But it’s not all about industry in this city of a hundred thousand inhabitants, with historical buildings and public art displays, city festivals, cosy residential areas in lush, green surroundings, and of course, the Salzgittersee (Salzgitter Lake) water sports centre with just under a mile of beach and excellent water quality; a dream destination for water sports fans, swimmers, surfers, or anyone wanting to spend a relaxing summer’s day on the beach. The mixed woods of the Salzgitter Hills are an invitation to mountain bikers and hikers, and Salzgitter-Bad spa health resort has one of Germany’s largest natural thermal salt springs. If you think you’ll be studying at a campus in the middle of a huge industrial estate, you’re in for a surprise. The Karl Scharfenberg Faculty is based in the idyllic surroundings of Calbecht, in a renovated building that was once an office building of Salzgitter Erzbergbau AG (Salzgitter Ore Mining Company).

Suderburg – a global village

Located between Hamburg and Hannover, Suderburg is surrounded by one of Germany’s most picturesque areas of outstanding natural beauty, the Lüneburg Heath. The wide variety of flora and fauna provide an ideal backdrop for a cycle trip or hike. If you find you have a yearning for city lights, you can take your pick between Hamburg and Hannover. Suderburg is a meeting place for students and lecturers from all four corners of the earth; but still Ostfalia’s Suderburg Campus has something of a family atmosphere – everyone knows each other, and personal contact is easy to keep between students and staff.



“Hösseringen” museum town



“Wacholderheide” near Suderburg

Wolfenbüttel – cosmopolitan charm

With more than six hundred timber-frame houses, Wolfenbüttel was Germany's first Renaissance town to be built according to plan. The Dukes of Braunschweig and Lüneburg reigned in the former Welfen residence between 1472 and 1752 – almost three centuries. They appointed the most renowned architects and town planners of the time to turn Wolfenbüttel into a magnet of attraction for famous figures such as Lessing, Leibniz, Busch and Casanova. This cosmopolitan town with its population of 56,000 has kept its unique charm to this day. The historical Old Quarter with numerous cafés and shops is still a popular place to meet and spend time, but there is much more. Open-air events during the Kultursommer (the Summer of Culture) at Wolfenbüttel Castle or the nearby Fämmelse Lake with more than three acres of water for swimming, contribute to the quality of life and leisure time activity of the area. And for those who have time to spare at the weekend or in the summer vacation, excursions to nearby world centres of cultural heritage such as Goslar and Quedlinburg, the UNESCO GeoPark in Braunschweig district, or the Harz national park are just a short drive away.



Wolfenbüttel Castle



Herzog August Library



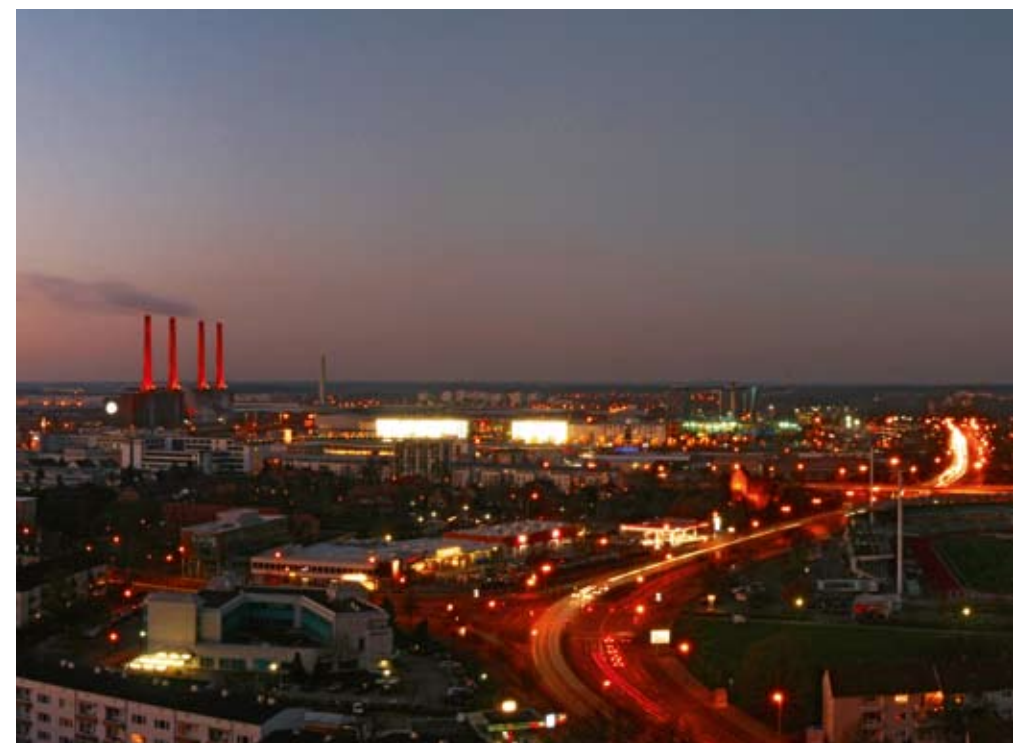
Above: Alvar Aalto Kulturhaus/The Alvar-Aalto Cultural Centre

On the right: Volkswagen Arena Soccer Stadium



Wolfsburg – business location with quality of life

Most people immediately associate Wolfsburg with the successful soccer team “VfL Wolfsburg”, cars, the Auto-stadt (Volkswagen's Car Exhibition Centre) – and Volkswagen itself. Wolfsburg may be Lower Saxony's undisputed top business location, but if you think that Wolfsburg is just a large, grey industrial town, think again – Wolfsburg boasts a high quality of life and a varied range of cultural and leisure time activities – the Planetarium, the Museum of Art, or the enormous phæno experimental architectural landscape. Ostfalia's Wolfsburg faculties are located right in the middle of the town just a few minutes' walk away from the train station.



Open-door policy

Wherever you have thousands of people studying and hundreds working together, you have to nurture a relaxed, friendly atmosphere. This can only develop on a basis of mutual respect, tolerance and appreciation of others. This is exactly how we see ourselves. The open-door policy we practise in our services constitutes an important symbol in this fundamental approach.



Children at nursery school on the campus in Wolfenbüttel

A university fit for families

The year 2008 saw Ostfalia gain the status of a ‘university fit for families’. This title is awarded to institutions which set goals, reach agreements and take actions that promote and support gender equality. As an example, we have been dealing with gender-related topics in our lectures and seminars, and are pleased at the increasing percentage of female students in engineering and related courses. We have made it our goal to make it easier to combine studying and raising a family. Examples of measures taken are flexible course structures, the provision of kindergarten and nursery school facilities

as well as organising services and consulting with mothers and fathers in their transition from university to career. Issues which are important to students with children have been integrated into our course and examination regulations, e.g. the opportunity to study from home via eLearning along with flexibility in university site and schedule arrangements.

Library and computer lab

We have the full scope of library and computer lab services available at every Ostfalia site. Our library has a wide selection of specialist scientific literature available – in many cases, we have several copies in our inventory. We also provide the major specialist periodicals together with full versions of electronic magazines. Any missing literature can be made available by remote lending or document supply services; we welcome suggestions for further procurement via the internet. We are especially proud of our excellent IT infrastructure – from quality equipment with PC terminals for students to WLAN access to notebook consultation. We have an online portal providing access to specialist electronic information along with an online learning management system with registration for exams, student access to grades and

matriculation for the following semester. Our Ostfalia-Card – a student ID card and semester ticket for local public transport – provides a range of benefits to students; it serves as a method of payment at our canteens and photocopying facilities, opens doors to the computer lab, and serves as a library card.

Centres of modern languages

There is a Centre of Modern Languages at every one of Ostfalia’s campuses and they support the acquisition of a range of twelve languages in total, adapted to course requirements. Apart from extramural semester courses, students also have the opportunity to take part in events during free periods along with intensive courses and field trips. The Modern Language Centre provides non-German students with a GFL German as a Foreign Language summer course along with courses during the semester.

Student advisory services

Studying abroad is important for personal and professional development; a decision to study abroad requires the greatest possible support. Our International Office not only provides services for students aiming towards studying for a semester or longer at a



university outside Germany, but also provides services for the international students studying at Ostfalia. The International Student Office gives a full range of support in matters such as finding a place to live or selecting a healthcare insurance scheme. The International Student Office also arranges student mentoring services for guest students to help them take part in everyday activities such as sports activities,

social events and shopping. Our „university guides“ are always happy to give help and advice to international students aiming to graduate at Ostfalia. We have a Service Office at each of our four sites for students and prospective students. These offices give advice to anyone with questions about studying in general, or anyone needing a certificate or attestation of certificates they already have. Our Student Advisory Service sup-

ports students in deciding which course to take or in troubleshooting issues that may arise during their studies, and gives advice to graduates aiming towards a post-grad Master’s or Doctorate degree. Finally, our Career Service helps students in their transition from university to career. It specifically focuses on helping students to present themselves to potential employers. The Career Service also arranges contacts between our graduates and prospective employers in search of new qualified staff.

Quality of life

Unlike many large cities, rent and other costs of living are relatively low at Ostfalia’s sites. The accommodation market is accessible, and a reasonably priced flat is easily found – our Student Services staff will be happy to help you. An evening out will not break the bank on even a meagre student’s budget. And last, but not least; all of our Ostfalia sites have canteens, cafés and halls of residence.



“To study abroad was a more or less a spontaneous decision of mine. One of our lecturers mentioned of places we could apply for at a French university. So I thought: Why not? A semester abroad offer’s a huge range of advantages: to learn a foreign language, to grow personally, additional professional qualifications and new experiences. Ostfalia’s International Student Office supported me a lot and gave me almost a step-by-step guidance. I was also lucky, because I was awarded a scholarship by our faculty.”

Jana Bühl, Sports Management student

Any questions?

Have we awoken your interest? If there is anything you would like to know in general, or if you have a personal interest you would like to raise, don't hesitate to give us a call. We look forward to hearing from you

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“We’ve had so many good experiences with Ostfalia graduates. We appreciate their structured and efficient working approach, their independence and their proactive attitude. Apart from that, they show excellent specialist knowledge and practical experience.”

Thorsten Sponholz, Management Spokesman, Siemens Rail Automation

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