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 Otto von Guericke University Magdeburg

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STUDENTS WINTER SEMESTER 2019/20
 13,797 students ▶ 5,725
 of which 3,278 new students (in the first semester)
 | Bachelor's students 1,690
 | Master's students 1,323
 | Medical students 191
 | Other 74
 from Saxony-Anhalt 4,620 ▶ 1,776
 International students 3,455 ▶ 1,229
 Students completing degree in standard study duration 9,566

TOTAL STUDENTS BY FACULTY
 Mechanical Engineering 1,417 ▶ 245
 Process & Systems Engineering 1,313 ▶ 326
 Electrical Engineering & Information Technology 943 ▶ 231
 Computer Science 1,752 ▶ 368
 Mathematics 389 ▶ 139
 Natural Sciences 756 ▶ 506
 Medicine 1,634 ▶ 959
 Humanities, Social Science & Education 3,182 ▶ 1,802
 Economics & Management 2,411 ▶ 1,149

GRADUATES ACADEMIC YEAR 2018/19
 2,261 ▶ 1,045
 of which medicine 188 ▶ 111

DOCTORATES AND POST-DOCTORAL DEGREES 2019
 Completed doctorates 254 ▶ 123
 Completed post-doctoral degrees 11 ▶ 1

PERSONNEL (FTE) STATUS 12/2019
PERSONNEL FINANCED FROM THE BUDGET
 2,051 ▶ 1,012
 OF WHICH TOTAL
 professors: 197 ▶ 37
 of which Faculty of Medicine: 55 ▶ 9

OF WHICH TOTAL
OTHER ACADEMIC
PERSONNEL: 1,031 ▶ 431

OF WHICH TOTAL
NON-ACADEMIC
PERSONNEL: 823 ▶ 544

TOTAL PERSONNEL FINANCED BY THIRD-PARTY
FUNDING: 877 ▶ 367

OF WHICH TOTAL
ACADEMIC PERSONNEL: 666 ▶ 230

OF WHICH TOTAL
NON-ACADEMIC PERSONNEL: 208 ▶ 137

FINANCES (IN €)
UNIVERSITY BUDGET
 State funding excl. Medicine: 97.2 million FINANCIAL YEAR 2019
 State funding for Medicine: 51.7 million FINANCIAL YEAR 2019

THIRD-PARTY FUNDING 2019
 Third-party funding spent excl. Medicine: 37.3 million FINANCIAL YEAR 2019
 Third-party funding spent – Medicine: 24.4 million FINANCIAL YEAR 2019

KEY
 ▶ of which women | FTE = full time equivalent

CREDITS
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FACTS & FIGURES

NUMBER OF STUDENTS 13,833 OF WHICH 5,885 WOMEN INCLUDING 3,333 FIRST-YEAR STUDENTS INCLUDING 1,903 BACHELOR'S DEGREE STUDENTS INCLUDING 1,122 MASTER'S DEGREE STUDENTS INCLUDING 198 MEDICAL STUDENTS OF WHICH 4,402 COME FROM SAXONY-ANHALT OF WHICH 1,788 ARE INTERNATIONAL STUDENTS 2,655 OF WHICH 988 WOMEN STUDYING COMPLETING PROGRAMMES IN STANDARD DURATION 9,654 TOTAL ACADEMIC PERSONNEL: 6,666 OF WHICH 2,300 WOMEN FACULTY: MECHANICAL ENGINEERING 1,637 OF WHICH 293 WOMEN AND SYSTEMS ENGINEERING 1,249 OF WHICH WOMEN 306 ELECTRICAL ENGINEERING AND INFORMATION TECHNOLOGY 914 OF WHICH 206 WOMEN COMPUTER SCIENCE 1,752 OF WHICH WOMEN 368 MATHEMATICS 389 OF WHICH WOMEN 139 NATURAL SCIENCES 756 OF WHICH WOMEN 506 MEDICINE 1,634 OF WHICH WOMEN 959 HUMANITIES, SOCIAL SCIENCE & EDUCATION 3,182 OF WHICH WOMEN 1,802 ECONOMICS AND MANAGEMENT 2,411 OF WHICH WOMEN 1,149

2019/20

OVGU
 AT A GLANCE
WWW.OVGU.DE



OTTO VON GUERICKE UNIVERSITY MAGDEBURG

High-achieving, international and with research-led teaching, Otto von Guericke University Magdeburg is one of Germany's newer universities. Its focus in terms of research and teaching lies on engineering and the natural sciences, economics and business, and medicine. Complemented by a multitude of forward-looking areas of specialisation in the humanities, the University is a catalyst for and driver of innovation, both in the region and well beyond national frontiers. Over 13,900 students from 101 different countries live and learn on our compact campus. Over 100, some unique, interdisciplinary courses are helping to turn out young people with skills fit for the future. Our professors not only impart knowledge, but are also trailblazers for successful careers. The Faculty of Medicine and University Clinical Centre are currently training over 1,600 prospective doctors.

The key areas of research at the University of Magdeburg are strongly interdisciplinary and cover the neurosciences, dynamic systems, and biosystems technology, as well as immunology. In terms of technology transfer, the University of Magdeburg is a strong and reliable partner to the regional and national economy, especially in the automotive, fluidised bed technology, medical technology, renewable energies and digital engineering fields. Several affiliated institutes and the Technology Transfer Centre act as intermediaries between academia and business and make it easier for companies to access engineering and scientific expertise, as well as social and economic knowledge.

MORE INFORMATION FROM
WWW.OVGU.DE

UNIVERSITY MANAGEMENT

- | Prof. Dr.-Ing. Jens Strackeljan, *President*
- | Prof. Dr. Helmut Weiß, *Vice-President for Academic Development & Financial Planning*
- | Prof. Dr. Franziska Scheffler, *Vice-President for Academic Affairs*
- | Prof. Dr. Monika Brunner-Weinzierl, *Vice-President for Research, Technology & Equal Opportunities*
- | Dr. Jörg Wadzack, *Chancellor*

FACULTIES AND INSTITUTES

FACULTY OF MECHANICAL ENGINEERING

including the following institutes:

- | Ergonomics, Manufacturing Systems & Automation
- | Mechanics
- | Manufacturing Technology & Quality Management
- | Logistics & Materials Handling
- | Machine Design
- | Mobile Systems
- | Materials & Joining Technology

FACULTY OF PROCESS & SYSTEMS ENGINEERING

including the following institutes:

- | Process Engineering
- | Chemistry
- | Fluid Dynamics & Thermodynamics
- | Instrumental & Environmental Technology

FACULTY OF ELECTRICAL ENGINEERING & INFORMATION TECHNOLOGY

including the following institutes:

- | Automation Technology
- | Information & Communication Technology
- | Electrical Energy Systems
- | Medical Technology

FACULTY OF COMPUTER SCIENCE

including the following institutes:

- | Intelligent Cooperative Systems

- | Simulation & Graphics
- | Technical & Business Information Systems

FACULTY OF MATHEMATICS

including the following institutes:

- | Algebra & Geometry
- | Analysis & Numerics
- | Mathematical Optimisation
- | Mathematical Stochastics

FACULTY OF NATURAL SCIENCES

including the following institutes:

- | Biology
- | Physics
- | Psychology

FACULTY OF MEDICINE

including the following institutes:

- | General Medicine
- | Anatomy
- | Department of Occupational Medicine
- | Biochemistry & Cell Biology
- | Biometrics & Medical Informatics
- | Experimental Internal Medicine
- | Department of History, Ethics & Theory of Medicine
- | Human Genetics
- | Inflammation & Neurodegeneration
- | Clinical Chemistry & Pathobiochemistry
- | Clinical Pharmacology
- | Cognitive Neurology & Dementia Research
- | Medical Microbiology & Hospital Hygiene
- | Medical Psychology
- | Molecular Biology & Medicinal Chemistry
- | Molecular & Clinical Immunology
- | Neuropathology
- | Pathology
- | Pharmacology & Toxicology
- | Physiology
- | Social Medicine & Health Economics
- | Transfusion Medicine & Immunohaematology with Blood Bank
- | Translational Inflammation Research (Work group)

CLINICS

- | University Clinic for General, Visceral, Vascular & Transplantation Surgery
 - Department of Paediatric Surgery & Paediatric Traumatology
- | University Clinic for Trauma Surgery
- | University Clinic for Plastic, Aesthetic & Hand Surgery
- | University Clinic for Cardiac & Thoracic Surgery
- | University Clinic for Neurosurgery
- | University Clinic for Oral & Maxillofacial Surgery
- | University Orthopaedic Clinic
- | University Eye Clinic
- | University Clinic for Ear, Nose & Throat Medicine
 - Department of Experimental Audiology
- | University Clinic for Gynaecology, Obstetrics & Reproductive Medicine
- | University Paediatric Clinic
- | University Clinic for Urology & Paediatric Urology
- | University Clinic for Dermatology
- | University Clinic for Anaesthesiology & Intensive Therapy
- | University Clinic for Neurology
- | University Clinic for Stereotactic Neurosurgery
- | University Clinic for Psychiatry & Psychotherapy
- | University Clinic for Neuroradiology
- | University Clinic for Cardiology & Angiology
- | University Clinic for Pneumology
- | University Clinic for Gastroenterology, Hepatology & Infectology
- | University Clinic for Nephrology & Hypertension, Diabetology & Endocrinology
- | University Clinic for Haematology & Oncology
- | University Clinic for Radiology & Nuclear Medicine
- | University Clinic for Radiation Therapy

FACULTY OF HUMANITIES

- including the following institutes:
- | Education, Vocation and Media
 - | Institute of Social Sciences
 - | Institute of Philology, Philosophy & Sports Science

FACULTY OF ECONOMICS AND MANAGEMENT

including the following chairs:

- | Accounting & Control
- | International Management
- | Business Taxation
- | Banking & Finance
- | Strategic Management & Organisation
- | Operations Management
- | Marketing
- | Management Science
- | Accounting
- | E-Business
- | Entrepreneurship
- | Empirical Economics Research
- | Economics of Business and Law
- | Financial Management & Innovation Finance
- | Behavioral International Management
- | Consumer Behavior (junior chair)
- | Experimental Economics (junior chair)
- | Economics

RESEARCHER GROUPS

- | RG 1539: European Communitisation Processes – Horizontal Europeanisation Between Nation-State and Global Communitisation
- | Else Kroener-Research College: The significance of the inflammatory micro-environment for the development of cancer
- | Public Economics
- | Applied Economics
- | Economic Policy
- | International Economics
- | Monetary Economics & Public Financial Institutions
- | Economics: Productivity & Innovations
- | Financial Economics
- | Financial Economics (junior chair)
- | Banking and Financial Systems (junior chair)
- | Applied Microeconometrics (junior chair)
- | Civil, Commercial and Business Law

KEY RESEARCH AREAS

- | Neurosciences (Center for Behavioral Brain Sciences (CBBS ScienceCampus))
- | Dynamic Systems: Biosystems Technology (Center for Dynamic Systems (CDS))
- | Key Research Area – Faculty of Medicine: Health Campus Immunology, Infectology & Inflammation (GC-I)

KEY TRANSFER AREAS

- | Medical Technology
- | Automotive
- | Digital Engineering
- | Fluidised Bed Technology
- | Renewable Energies

COLLABORATIVE RESEARCH CENTRES (CRC)

- | CRC 779 (Coordinator): Neurobiology of Motivated Behaviour
- | CRC 854 (Coordinator): Molecular Organisation of Cellular Communication in the Immune System
- | TRR 63: Integrated Chemical Processes in Liquid Multiphase Systems

RESEARCHER GROUPS

- | RG 1539: European Communitisation Processes – Horizontal Europeanisation Between Nation-State and Global Communitisation
- | Else Kroener-Research College: The significance of the inflammatory micro-environment for the development of cancer

GRADUATE PROGRAMMES

- | Research Training Group 1554: Micro-Macro-Interactions in Structured Media and Particle Systems
- | Research Training Group in CRC 779: Neurobiology of Motivated Behaviour
- | Research Training Group 2297: Mathematical Optimization for clinical Decision Support and Training

- | International Max Planck Research School for Advanced Methods in Process and Systems Engineering
- | Research Training Group in CRC 854: Molecular Organization of Cellular Communication in the Immune System
- | ABINEP: Analysis, Imaging and Modelling of Neuronal and Inflammatory Processes (ESF)
- | MEMoRIAL: Medical Engineering and Engineering Materials (ESF)
- | Research Training Group 2408: Maladaptive Processes at Physiological Interfaces in Chronic Diseases
- | Research Training Group 2413: The Ageing Synapse – Molecular, Cellular and Biobehavioural Mechanisms of Cognitive Decline
- | Research Training Group 2433: Differential Equation- and Data-driven Models in Life Sciences and Fluid Dynamics (DAEDALUS)

EU PROJECTS

7TH RESEARCH FRAMEWORK PROGRAMME

- In the field of Health:
- | GANNET53: A drug strategy targeting stabilised mutant p53 to fight metastatic platinum-resistant ovarian cancer
 - | UCOM: Ultrasound Cavitation in Soft Materials
 - | CALIPER: Creating Granular Materials Experts by Developing Experimental Calibrations for Computational Methods

In the field of Information & Communication Technology:

- | IMAIL: Innovative Methods for Award Procedures of ICT Learning in Europe

HORIZON 2020

In the field of ERC:

- | ImmProDynamics (ERC Starting Grant): Dissecting the interplay between the dynamics of immune responses and pathogen proliferation in vivo
- | MODEST (ERC-Consolidator Grant): Mathematical Optimization for clinical Decision Support and Training

- | isitFLUTTER (ERC Proof of concept): diagnosis app for regular atrial arrhythmia like Flutter

In the field of Information & Communication Technology:

- | LEA: Learning Technology Accelerator

In the field of Natural and Engineering Sciences:

- | ADASANDME: Adaptive ADAS to support incapacitated drivers – Mitigate Effectively risks through tailor made HMI under automation
- | AMBER: enhanced Mobile BiomEtrics
- | CORE: Continuous Resolution and Deracemization of Chiral Compounds by Crystallization
- | MEDIRAD: Implications of Medical Low Dose Radiation Exposure
- | PHOSPHOR (Coordinator): Synthesis of Novel Phosphor Sensor Particles for Advanced Flame Diagnostics
- | STORIES: Stories of Tomorrow – Students Visions on the Future of Space Exploration
- | UCOM: Ultrasound Cavitation in Soft Materials
- | CALIPER: Creating Granular Materials Experts by Developing Experimental Calibrations for Computational Methods

In the field of Health:

- | EGRET-Plus: European Glaucoma Research Training Program-Plus
- | EUROlinkCAT: Establishing a linked European Cohort of Children with Congenital Anomalies
- | Keep Control: Industrial Academic Initial Training Network towards specific diagnosis and treatment of age-related gait and balance deficits
- | NextGenVis: Training the Next Generation of European Visual Neuroscientists for the benefit of innovation in health care and high-tech industry
- | MODEST (ERC-Consolidator Grant): Mathematical Optimization for clinical Decision Support and Training

- | ZIKAlliance – A global alliance for Zika virus control and prevention
- | DeepHealth: Deep-Learning and HPC to Boost Biomedical Applications for Health

ERA-NET / ERA-NET PLUS / JOINT PROGRAMMES

- | CHRODIS-Plus: Implementing good practices for chronic diseases
- | CircProt (Coordinator): Synaptic Circuit Protection in AD and HD: BDNF/TrkB and Arc signalling as rescue factors
- | Drug_FXSPreMut: Preclinical approaches towards therapeutics Intervention for fragile X premutation carries
- | NABUCO (Coordinator): Nanoparticles for Brain Use, Diagnostic and Ophthalmological Applications
- | NEUINF: Master regulators of neuro-inflammation in parasitic brain infections
- | NSEuroNet: European network on Noonan syndrome and related disorders
- | OA-IBGE2016-18 (Coordinator): Mapping the biomarkers: comprehensive evaluation of pathophysiology and nutraceutical intervention for improved knee Osteoarthritis
- | ROBUSTYEAST (Coordinator): Optimizing metabolic regulation in yeast production strains for dynamic conditions
- | @IgaWarning: A comprehensive service for in situ monitoring, automatic counting and risk evaluation of toxigenic microalgae

COST ACTION

- | EuroSoftCalcNet: A European Network for Connective Tissue Calcifying Diseases
- | PiGutNet: European network on the factors affecting the gastro-intestinal microbial balance and the impact on the health status of pigs
- | SimInhale: Simulation and pharmaceutical technologies for advanced patient-tailored inhaled medicines

- | MULT-FORESEE: MULTI-modal Imaging of FOREnsic Science Evidence (MULTI-FORESEE)-tools for Forensic Science

ERASMUS+

- | CreE.A: Création d'un Espace européen de la médiation pour l'inclusion sociale
- | EuroDualE: European Cooperative Framework for Dual Learning
- | INSPIRE: Internationalisation of master Programs in Russia and China in Electrical engineering
- | ProdLog (Coordinator): Development of a Bologna-based Master Curriculum in Resource Efficient Production Logistics
- | RISE: modernising human Resource management in South mediterranean higher Education
- | SMART SPORT
- | HEDU_LEARN_IT (Coordinator): Harmonized European Dermato-Venereology Undergraduate blended Learning Implementation and Training
- | Establishing Master Programmes in HRM and Talent Development in Central Asia
- | EGEA (Coordinator): Enhancing Green Economy in 3 countries of Asia
- | EUCA-INVEST (Coordinator): Investing in Entrepreneurial universities in Caucasus and Central Asia
- | Strengthening of research and training capabilities for Virtual Reality applications in the private and governmental sector
- | I-SEU: Innovations in Socially Engaged Universities
- | Key Action 103: Higher Education Student and Staff Mobility within Programme Countries
- | Key Action 107: Higher Education Student and Staff Mobility between Programme and Partner Countries (Kirgisistan)

INTERREG

- | Beyond EDP: Improving RIS3 effectiveness through the management of the entrepreneurial discovery process
- | ChemMultimodal: Promotion of Multimodal Transport in Chemical Logistics