

Faculty of Business and Economics

Modules regularly taught in English

Masters's Level

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Business Administration

Advanced Approaches in Industrial Management
Advanced International Financial Reporting
Aktuelle Themen der Betrieblichen Umweltökonomie*
Applied Technologies in Logistics
Businessplanseminar*
Case Studies in Innovative & Sustainable Business
Elektrizitätswirtschaft / Power System Economics*
Financial Technology
Inventory Management
Management and Organization Theory
Managing for Sustainability*
Managing People and Organizations
Marketing Literature Review
Multidisciplinary Perspectives of Sustainability
Nachhaltigkeitscontrolling*
Organizational Behavior
Researching International Organizational Behavior
Ressourcenmanagement
Ressourcenökonomie und Umweltpolitik*
Risikoquantifizierung und -management in der Energiewirtschaft*
Scheduling
Seminar Management Science
Strategic Human Resource Management
Strategic Sustainability Management
Studienprojekte im Nachhaltigkeitsmanagement*
Studienprojekte in der Energiewirtschaft*
Technology Management*
Topics in Empirical Finance
Trends in Organization and Management Studies
Value-based Management

Economics

Academic Writing
Advanced Topics in International Economics
Computable General Equilibrium Analysis
Current Topics in Applied Econometrics

Current Topics in Empirical Economic Research
Current Topics in International Monetary Economics
Current Topics in Public Economics
Development Economics
Economics of Migration
Economics of the Welfare State
Empirical Economics
Empirical Labor Economics
Empirical Research Task
Exchange Rates
Financial Stability and Regulation of Financial Markets
International Financial Markets
International Public Economics
Internship Public and International Economics
Introduction to Geographic Information Systems
Microeconometrics
Microeconomic Perspectives on Development Economics
Principles of Economic Theory
Principles of Public and International Economics
Research Design
Resource Economics
Sustainability Economics
Theory of Taxation
Time Series Econometrics
Topics in Economic Policy
Topics in International Economics
Topics in Policy Evaluation

Business Information Systems

- Aktuelle Themen des Business Engineerings
- Aktuelle Themen des Informationsmanagements
- Artificial Intelligence for Advanced Analytics*
- Case Study Research
- Data Visualization
- Data-Driven Business Models
- Digital Business Engineering
- Digital Health

ERP-gestützte Geschäftsprozesse

ERP-Planspiel

Gestaltungsansätze der Advanced Data Analytics*

Gestaltungsansätze der Business Processes and Systems

Business Education and Management Training

Aktuelle Fragen des organisationalen Lernens*

Aktuelle Fragen in der Theorie und Praxis der kaufmännischen Aus- und Weiterbildung*

Aktuelle Herausforderungen des Personalmanagements*

Aktuelle Themen der Wirtschaftspädagogik*

Ausgewählte Fragen des Personalmanagements*

Lernen im Prozess der Arbeit*

Multimediales Lernen*

Neuere Theorien des Lehrens und Lernens*

Spezielle Themen des Personalmanagements*

*The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner.

Business Administration

Module number	Module name	Responsible lecturer
WW-D-103-AAIM WW-MA-103-AAIM	Advanced Approaches in Industrial Management	Prof. Dr. Udo Buscher bwlim@tu-dresden.de
Qualification objectives	Students are familiar with the formal representation and problem-specific modification of problems from production, logistics, personnel deployment and energy management, taking into account various objectives. They are familiar with identifying relevant constraints from the problem context and taking these into account when setting up models. Students can select and apply appropriate mathematical solution methods to solve specific test instances of the problems. They are also able to present their results in a scientific paper in English.	
Contents	The analysis and solution of business decision problems. The spectrum includes problems in production, logistics, personnel deployment and energy management. Mathematical methods are used to find solutions to these problems of varying complexity. The results are presented in the form of a scientific paper.	
Teaching and learning methods	Seminar: 2 hours per week, Independent study The language of the module is English. The seminar is limited to 20 participants; selection based on the order of enrollment.	
Prerequisites for participation	Basic knowledge of mathematical modeling, solving planning problems with a standard solver and in LaTeX, as taught in the module Instruments and Applications of Industrial Management.	
Usability	MA BWL: Fields Business Administration, Presenting and Discussing MA WiPäd: Field Business Administration and Economics D WiInf, D WiIng: Fields Business Administration and Economics , Presentation and Discussion Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-107-AIFR WW-MA-107-AIFR WW-MA-PIE-IFR	Advanced International Financial Reporting	Prof. Dr. Michael Dobler wus@mailbox.tu-dresden.de
Qualification objectives	Students have in-depth specialist knowledge of international financial reporting. In particular, you will be able to present and explain the Inter-national Financial Reporting Standards (IFRS) including specific develop-ment and application problems and will be able to apply this knowledge in a problem-oriented manner as a preparer and user of financial reports in an international context. They can distinguish between the various normative concepts and are familiar with English as the language of sci-ence.	
Contents	The content of the module is the economic, institutional and legal foundations of international accounting as well as selected accounting problems of individual company, group and industry-specific accounting in an international context, mainly according to IFRS.	
Teaching and learning methods	Lecture: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Basic knowledge of accounting and annual financial statements as well as accounting according to IFRS at Bachelor's level is required. The following literature is suitable for preparation: Weygandt, J.J.; Kimmel, P.D.; Kieso, D.E.: Financial Accounting: IFRS. John Wiley and Sons, latest edition.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	More than three registered students: written exam, 60 minutes Up to three registered students: non-public oral examination, 20 minutes duration as an individual examination	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-102-ATBU WW-MA-102-ATBU	Aktuelle Themen der Betrieblichen Umweltökonomie	Prof. Dr. Remmer Sassen Lehre_bu@mailbox.tu-dresden.de
Qualification objectives	Students are familiar with current issues in business environmental economics from theory and practice. They are able to prepare, present, analyze, and discuss these issues using scientific methods.	
Contents	The module examines current topics in sustainability management and corporate environmental economics in order to evaluate them in terms of sustainability-related aspects and integrate them into business decisions.	
Teaching and learning methods	Lecture: 1 hour per week Project: 1 hour per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner.	
Prerequisites for participation	Knowledge of business administration, organization, marketing, and sustainable corporate management at the bachelor's degree level is required. Furthermore, English language skills at level B2+ of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-112-ATIL WW-MA-112-ATIL	Applied Technologies in Logistics	Prof. Dr. Rainer Lasch logistik@mailbox.tu-dresden.de
Qualification objectives	Students have in-depth knowledge of scientific work and have insights into current research issues as well as project-specific problems in logistics.	
Contents	The content of the module is current topics in the areas of logistics, procurement and supply chain management.	
Teaching and learning methods	Seminar: 3 hours per week Independent study The language of the module is English. The seminar is limited to 12 participants, selection based by lottery.	
Prerequisites for participation	Basic knowledge of scientific and practical work is required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 120 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-113-BPLS WW-MA-113-BPLS	Businessplanseminar	Prof. Dr. Michael Schefczyk mandy.windisch@tu-dresden.de
Qualification objectives	Students can create a meaningful business plan based on a given business idea, which serves as a basis for decision-making for financing. They are familiar with methods such as market and competitor analysis and implement them independently for a company. The students can create a marketing concept based on the previous research and analyses. You will be familiar with the various planning areas of a business concept and will be able to develop an integrated numerical model (financial plan) from them. Students can independently develop materials for all planning areas and develop a structured solution from them. They work independently.	
Contents	The content of the module is business models, market analysis, competitive analysis, marketing, financial planning, start-up financing, organization of a company and the associated start-up team as well as the creation of a business plan and a pitch.	
Teaching and learning methods	Seminar: 4 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 24 participants, selection based by lottery.	
Prerequisites for participation	Knowledge of business administration and organization, marketing, sustainable corporate management, annual financial statements, investment and financing is required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 200 hours	
Workload and Credit points	300 hours, 10 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-101-CSIB WW-MA-101-CSIB	Case Studies in Innovative & Sustainable Business	Prof. Dr. Peter Schäfer maac@tu-dresden.de
Qualification objectives	Students are able to transfer and apply methodological knowledge in order to analyze and solve a practice-relevant problem in a structured way, to develop hypothesis-based approaches in order to arrive at solutions efficiently, to find adequate solutions to industry-specific problems and to present solutions to business problems in innovative or sustainability-oriented business models in writing and orally.	
Contents	The content of the module is relevant, current practical problems from innovative or sustainable corporate management.	
Teaching and learning methods	Seminar: 4 hours per week Independent study The language of the module is English. The seminar is limited to 24 participants, selection based by lottery.	
Prerequisites for participation	Basic knowledge of investment calculation at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Presenting and Discussing MA WiPäd: Field Business Administration and Economics D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 30 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-114-ELWI WW-MA-114-ELWI WW-MA-PIE-EWI	Elektrizitätswirtschaft / Power System Economics	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
Qualification objectives	Students will be able to reproduce basic terms, definitions, concepts and methods of the electricity industry and name relevant parameters of the electricity industry. The students are able to explain market relationships (e.g. merit order concept), to present the trade in electricity and related problems and concepts and to transfer them to expected questions as well as to answer quantitative problems in a group with the help of modelling. Students are able to mathematically set up and implement basic optimization models from the field of operations research.	
Contents	The contents of the module are, on the one hand, the European liberalisation process in the energy industry and the associated theoretical basic concepts of a competitively organised market, pricing mechanisms and investment decisions on liberalised electricity markets, the different markets within the electricity industry (e.g. intra-day electricity market, emission certificate market) and market power in the electricity sector. In addition, the regulatory framework and the regulation of the electricity grids are part of the module. On the other hand, the module contains the basics of modelling in the energy industry, which are particularly incorporated into the project work.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Seminar: 2 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner.	
Prerequisites for participation	Knowledge of energy economics at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics, Supplementary Qualifications MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Portfolio, 90 hours	

Workload and Credit points	300 hours, 10 credit points
Frequency	Offered each winter semester
Duration	One semester

Module number	Module name	Responsible lecturer
WW-D-105-FITE WW-MA-105-FITE WW-MA-PIE-FTE	Financial Technology	Prof. Dr. Lars Hornuf arite.schrehardt@tu-dresden.de
Qualification objectives	Students have a comprehensive knowledge of what financial technology is and why it came into being. They understand and can explain the basics of current financial technology developments. Students will be able to evaluate the potential of financial technology and describe why financial services could change in the future. They understand and can explain how technology and regulation interact and impact financial services. Students are familiar with the opportunities and risks of financial technologies and are able to assess them.	
Contents	The lecture gives an introductory overview of current developments in the field of financial technology. These developments include cryptocurrencies and blockchain technology, mobile and digital payment systems, social trading and robo advice, marketplace lending and crowdfunding.	
Teaching and learning methods	Lecture: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of annual financial statements, investment and financing at Bachelor's level is required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 60 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-103-INMA WW-MA-103-INMA	Inventory Management	Prof. Dr. Udo Buscher bwlim@tu-dresden.de
Qualification objectives	The students are familiar with the tasks and functions that have to be fulfilled within the framework of industrial inventory management and they are able to make design recommendations for the most efficient control of the flow of goods, taking into account the production and transfer processes. You can apply different warehousing policies and determine the decision variables optimally.	
Contents	The contents of the module are deterministic and stochastic order quantity models, safety stock planning, periodic inventory management, integrated transport and batch size planning and dynamic order quantity planning.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of business production theory and logistics at Bachelor's level is required. Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	More than three registered students: written exam, 90 minutes Up to three registered students: non-public oral examination, 20 minutes duration as an individual examination	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-111-MAOT WW-MA-111-MAOT	Management and Organization Theory	Prof. Dr. Stefan Razinskas orga.wiwi@tu-dresden.de
Qualification objectives	Students know and understand the central theories of modern organizational and management theory and are able to apply them. They are able to critically reflect on their methodological prerequisites and the underlying paradigms. Students can work out organizational and management theories in teams using the basics they have learned and present and explain them in an understandable way.	
Contents	The content of the module is relevant theories from selected areas of management, such as organizational, personnel and innovation management as well as corporate management.	
Teaching and learning methods	Lecture: 1 hour per week Seminar: 2 hours per week Independent study The language of the module is English. The module is limited to 30 participants, selection based on the order of enrollment.	
Prerequisites for participation	The module requires basic knowledge of business administration, in particular organization and human resource management at Bachelor's level. Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-121-MASU WW-MA-121-MASU	Managing for Sustainability	Jun.-Prof. Dr. Samantha Dijkstra-Silva Sustainability@tu-dresden.de
Qualification objectives	Students critically examine current scientific issues in the context of management and sustainability. They are able to read and reflect on scientific texts and extract key findings. In a further step, students are able to pose a critical research question and then investigate it.	
Contents	The module covers aspects of current research on sustainability and management theory.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 20 participants, selection based on the order	
Prerequisites for participation	Business management knowledge and a basic understanding of sustainability management at bachelor's level are required. English language skills at level B2+ of the Common European Framework of Reference for Languages are also required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-111-MPAO WW-MA-111-MPAO	Managing People and Organizations	Prof. Dr. Stefan Razinskas orga.wiwi@tu-dresden.de
Qualification objectives	Students know and understand the central problem areas of the management of organizations and the leadership of their employees. They have in-depth knowledge of the key theories and concepts of management, leadership and formal and informal organization at an individual and group level. Students can work on complex issues in teams using the theoretical concepts they have learned and present and explain the results in an understandable way.	
Contents	Fundamentals of individual and group dynamic processes in organizations as well as the reciprocal influence between these processes and the structural and cultural framework conditions of organizations.	
Teaching and learning methods	Lecture: 1 hour per week, Seminar: 2 hours per week, Independent study The language of the module is English. Participation is limited to 30 participants; selection based on the order of enrollment.	
Prerequisites for participation	Basic knowledge of business administration, in particular organization and personnel management at Bachelor's level; English language skills at B2 level.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-104-MLIR WW-MA-104-MLIR	Marketing Literature Review	Prof. Dr. Florian Ulrich Siems florian.siems@tu-dresden.de
Qualification objectives	Students are able to understand articles from English-language journals in the field of marketing research and to reproduce and critically discuss their content in English.	
Contents	The contents of the module are the presentation of selected topics of market research in literature.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 15 participants, selection based by lottery.	
Prerequisites for participation	Knowledge of marketing at Bachelor's level as well as the skills to be acquired in the market research module are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-121-MPSU WW-MA-121-MPSU	Multidisciplinary Perspectives of Sustainability	Jun.-Prof. Dr. Samantha Dijkstra-Silva Sustainability@tu-dresden.de
Qualification objectives	The students are familiar with current issues of sustainability management and the resource nexus. They are able to prepare, present, analyse and discuss these questions using scientific methods.	
Contents	The content of the module is the consideration and application of tools and strategies that could contribute to the achievement of the United Nations Sustainable Development Goals (SDGs).	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of marketing and sustainable business management at Bachelor's level is required. Furthermore, English language skills at level B2+ of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-102-NHCO WW-MA-102-NHCO	Nachhaltigkeitscontrolling	Prof. Dr. Remmer Sassen lehre_bu@mailbox.tu-dresden.de
Qualification objectives	The students understand the measurement and management of corpo-rate success in the context of controlling with regard to sustainability on an economic, ecological and social level and can interpret it. After gradua-tion, students are able to analyse and evaluate the sustainability of a company with regard to the economic, ecological and social dimensions. They are able to apply and review various methods or operational instru-ments for sustainability assessment for business decisions.	
Contents	Contents of the module are the relevance of sustainability for the financial success of a company, integration of sustainability aspects into the con-trolling of a company, monetary and non-monetary instruments for sus-tainability assessment and decision-making in the company, use of sus-tainability-oriented corporate strategies to increase the value of the company	
Teaching and learning methods	Lecture: 2 hours per week Tutorial: 1 hour per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner.	
Prerequisites for participation	Knowledge of accounting, annual financial statements, investment, financ-ing, marketing and sustainable business management at Bachelor's level is required. Furthermore, English language skills at level B2 of the Com-mon European Framework of Reference for Languages are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 60 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-123-ORBE WW-MA-123-ORBE	Organizational Behavior	Jun.-Prof. Dr. Sebastian Störmer sebastian.stoermer@tu-dresden.de
Qualification objectives	Students know the basics of the interdisciplinary research field of Organizational Behavior. They can critically reflect on and analyse the fundamentals and apply them in an organizational context, particularly in personnel management and employee leadership.	
Contents	Issues and concepts of Organizational Behavior as well as the basics of the study of human behavior in organizations.	
Teaching and learning methods	Lecture: 2 hours per week, Independent study The language of the module is English. Participation is limited to 50 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of the organization at Bachelor's level; English language skills at B2 level.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations. The module creates the prerequisites for the module Researching International Organizational Behavior.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-123-RIOB WW-MA-123-RIOB	Researching International Organizational Behavior	Jun.-Prof. Dr. Sebastian Störmer sebastian.stoermer@tu-dresden.de
Qualification objectives	Students are familiar with various research traditions in international organizational behavior. They are able to analyze these from a scientific perspective based on specific topics.	
Contents	The module covers research traditions, theories, and methodological approaches in international organizational behavior.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The module is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Basic knowledge of organizational behavior is required, such as that taught in the Organizational Behavior module. Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Term paper, 75 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-102-RSMG WW-MA-102-RSMG	Ressourcenmanagement	Prof. Dr. Remmer Sassen Lehre_bu@mailbox.tu-dresden.de
Qualification objectives	After completing the module, students will be able to identify and independently analyze entrepreneurial resources, especially in relation to the natural environment. In addition, students can solve problems independently in groups and present their proposed solutions in written form.	
Contents	The content of the module is the consideration, evaluation and integration of environmental resources, the identification of instruments for ecologically oriented assessment and decision-making in the company, the examination of the use of ecologically oriented corporate strategies to increase the value of the company as well as environmental management systems for adequate resource management.	
Teaching and learning methods	Lecture: 2 hours per week Tutorial: 2 hours per week Independent study The language of the module is English. The module is limited to 60 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of accounting, annual financial statements, investment and financing as well as marketing and sustainable corporate management at Bachelor's level is required. Furthermore, English language skills at level B2+ of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-114-RÖUP WW-MA-114-RÖUP	Ressourcenökonomie und Umweltpolitik	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
Qualification objectives	Students are able to reproduce basic environmental policy and resource economics terms, definitions, concepts and methods and name relevant parameters. The students are able to present connections between re-source economics, environmental policy and the energy industry as well as related problems and concepts and to transfer them to expected ques-tions. Students are able to answer quantitative problems in a group with the help of modelling and to mathematically set up and implement fun-damental optimisation models and/or complementarity problems. Stu-dents are able to assess and summarize scientific literature in the context of the module.	
Contents	Contents of the module are basic definitions and theories of resource and environmental economics, resource cycles, the basics of operation re-search in resource and environmental economics, the economic theoreti-cal handling of exhaustible and regenerative resources, critical raw mate-rials, interaction of economic growth and environmental protection, dis-tribution of raw materials, external effects, environmental policy instru-ments and climate protection.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Project: 2 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner.	
Prerequisites for participation	Knowledge of the energy industry, the electricity industry and risk man-agement at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics, Supplementary Qualifications Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Portfolio, 150 hours	
Workload and Credit points	300 hours, 10 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-114-RMEW WW-MA-114-RMEW	Risikoquantifizierung und -management in der Energiewirtschaft	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
Qualification objectives	Students are able to reproduce basic terms, definitions, concepts and methods of risk quantification and risk management and identify relevant parameters. Students are able to apply and reproduce financial mathematical models in the energy industry. The students are able to apply methods of risk controlling and management and to transfer them to new issues and to distinguish between different risks and to evaluate them.	
Contents	The module covers the basics of risk management and related instruments (including forwards and options). In addition, portfolio management and risk hedging are part of the module. Against the background of the energy industry, the module also includes risk measurement and management, risk assessment and risks in project financing.	
Teaching and learning methods	Lecture: 1 hour per week Practical: 1 hour per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner.	
Prerequisites for participation	Knowledge of the requirements of liberalised energy markets at Bachelor's level is required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	More than ten registered students: written exam, 90 minutes Up to ten registered students: non-public oral examination, 45 minutes duration as an individual examination	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-120-SCHE WW-MA-120-SCHE	Scheduling	Jun.-Prof. Dr. Tristan Becker
Qualification objectives	Students have knowledge of scheduling theory and are able to classify scheduling problems. They are familiar with the theory and application of exact and heuristic solution methods to scheduling problems and can select and apply suitable solution methods for specific scheduling problems. They are familiar with scheduling problems in the fields of logistics, supply chain, healthcare, and personnel planning.	
Contents	The module covers models and algorithms for single machine scheduling, parallel machine scheduling, flow shop scheduling, job shop scheduling, as well as special solution methods based on local search and application-oriented models for selected practical problems in scheduling.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of operations research at bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Methods and Procedures MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics, Methods and Procedures Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Written exam, 60 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-120-SMSC WW-MA-120-SMSC	Seminar Management Science	Jun.-Prof. Dr. Tristan Becker tristan.becker@tu-dresden.de
Qualification objectives	Students address current research questions in management science and possess knowledge of data modeling, mathematical modeling, and the application of exact and heuristic solution methods. They implement and apply quantitative methods using computer support. Furthermore, they independently explore complex quantitative decision support methods at a scientific level and have an overview of the current state of research.	
Contents	Current scientific issues in management science.	
Teaching and learning methods	Seminar: 3 hours per week Independent study The language of the module is English. The seminar is limited to 15 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of operations research at bachelor level.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-123-SHRM WW-MA-123-SHRM	Strategic Human Resource Management	Jun.-Prof. Dr. Sebastian Störmer sebastian.stoermer@tu-dresden.de
Qualification objectives	Students will know and understand the central importance of human resource management for sustainable and successful corporate development. They will be able to apply this knowledge to support business decision-making.	
Contents	Fundamentals and issues of strategic human resource management, including relevant theoretical approaches and research.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 30 participants; selection based by lottery.	
Prerequisites for participation	Basic knowledge of business administration, particularly human resources management and organizational management at bachelor's level; English language skills at level B2.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Combined term paper, 75 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-102-STSM WW-MA-102-STSM WW-MA-PIE-SSM	Strategic Sustainability Management	Dr. Remmer Sassen lehre_bu@mailbox.tu-dresden.de
Qualification objectives	Students have a basic understanding of strategic sustainability management. You will understand the roles and responsibilities of sustainable and strategic leadership and will be able to apply strategic corporate management tools in relation to sustainability issues.	
Contents	The content of the module is the determinants of strategic sustainability management, roles and responsibilities of sustainable and strategic leadership, as well as instruments of strategic corporate management and problems of sustainability.	
Teaching and learning methods	Lecture: 1 hour per week Tutorial: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of accounting, annual financial statements, investment and financing as well as marketing and sustainable corporate management at Bachelor's level is required. The following literature is suitable for preparation: Hahn, R: Sustainability Management. Block Services, latest edition.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-102-SPNM WW-MA-102-SPNM	Studienprojekte im Nachhaltigkeitsmanagement	Prof. Dr. Remmer Sassen Lehre_bu@mailbox.tu-dresden.de
Qualification objectives	After completing the module, students will be able to independently answer complex questions of sustainable corporate management as well as risk management or resource economics scientifically and to create and apply their own practice-oriented concepts for the integration of ecological, economic and social aspects in decisions. In addition, students can solve problems independently in groups and pre-sent their proposed solutions in written form.	
Contents	The content of the module is the processing of a practice-relevant problem on sustainability management with a practice partner.	
Teaching and learning methods	Seminar: 4 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 30 participants, selection based on the orde	
Prerequisites for participation	Knowledge of business administration and organization as well as marketing and sustainable corporate management at Bachelor's level is required. Furthermore, English language skills at level B2+ of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-114-SPEW WW-MA-114-SPEW	Studienprojekte in der Energiewirtschaft	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
Qualification objectives	Students are able to independently answer complex questions of energy and risk management and resource economics as well as to create and apply their own concepts for integrating economic aspects into decisions. They are able to work in teams, are proficient in literature research and the use of scientific information sources.	
Contents	The contents of the module are current techno-economic issues in the energy industry, the modelling of raw material markets, the mapping and modelling of uncertainties in the energy industry and the economic modelling of electricity grids.	
Teaching and learning methods	Seminar: 0,5 hour per week Project: 4 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner.	
Prerequisites for participation	Knowledge of the energy industry, the electricity industry as well as risk quantification and management at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Methods and Procedures, Presenting and Discussing MA WiPäd: Fields Business Administration and Economics, Methods and Procedures D WiInf, D WiIng: Fields Business Administration and Economics, Methods and Procedures, Presenting and Discussing MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 120 hours	
Workload and Credit points	300 hours, 10 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-113-TEMA WW-MA-113-TEMA WW-MA-PIE-TMA	Technology Management	Prof. Dr. Michael Schefczyk mandy.windisch@tu-dresden.de
Qualification objectives	The students have a sound knowledge of the basics and possible applications in the field of technology management. They can apply this knowledge independently to practice-related issues in a situation-appropriate manner. In addition, they are able to work in teams to analyze complex issues in the areas of the fundamentals of technology management, intellectual property rights and market transactions as well as the internationalization of technologies, to develop solutions in a targeted manner and to implement them during the event.	
Contents	The central contents of the module include the basics of technology management, intellectual property rights and market transactions as well as the internationalization of technologies. Other areas of focus can be: forecasting and evaluating technologies, technology procurement, use and licensing.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner.	
Prerequisites for participation	Knowledge of business administration, organization, marketing, sustain-able corporate management, annual financial statements, investment and financing at bachelor's level as well as basic knowledge of innovation and product management are required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-105-TEFI WW-MA-105-TEFI WW-MA-PIE-TEF	Topics in Empirical Finance	Prof. Dr. Lars Hornuf arite.schrehardt@tu-dresden.de
Qualification objectives	Students can develop their own research designs and plan for implementation.	
Contents	The students deal with an annually changing, current research focus in the fields of finance and financial services. They are able to critically evaluate the theoretical foundations, empirical results and methods used in the literature.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of annual financial statements, investment and financing at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Presenting and Discussing MA WiPäd: Field Business Administration and Economics D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 40 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-111-TOMS WW-MA-111-TOMS	Trends in Organization and Management Studies	Prof. Dr. Stefan Razinskas orga.wiwi@tu-dresden.de
Qualification objectives	Students are familiar with current issues in modern organizational and management theory. They are able to prepare, present, analyze, and discuss these issues in teams using scientific methods. Students have key qualifications in the areas of rhetoric, presentation and presentation techniques, as well as social skills and teamwork.	
Contents	The module covers theoretical and empirical research contributions of a fundamental and application-oriented nature on current issues in organizational and management theory that change annually.	
Teaching and learning methods	Seminar: 3 hours per week Independent study The language of the module is English. The module is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	The module requires basic knowledge of scientific work and business administration, in particular organization and human resource management at bachelor's level. Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Fields Business Administration, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA WiPäd: Field Business Administration and Economics Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-101-VBMA WW-MA-101-VBMA	Value-based Management	Prof. Dr. Peter Schäfer maac@tu-dresden.de
Qualification objectives	Students are able to describe challenges of incentive and KPI systems and compare shareholder-oriented approaches with stakeholder-oriented approaches. You can weigh up the goals of variable compensation systems and describe the suitability of various instruments such as share-based compensation, compensation based on residual profit, and compensation based on non-financial metrics. In addition, students will be able to apply value-based management systems. They understand the concept of value creation and residual profit and can develop a residual profit-oriented management system.	
Contents	The module focuses on incentive and key figure systems, remuneration systems, value creation and residual profit.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Basic knowledge of external accounting, cost accounting and investment accounting at Bachelor's level is required.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 120 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Economics

Module number	Module name	Responsible lecturer
WW-MA-PIE-ACW	Academic Writing	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	The students can compile a literature review according to the principles of scientific work. They manage to research relevant literature, work with literature databases, and cite correctly.	
Contents	Literature research and management, reading strategies, structuring text, argumentation, and writing process design.	
Teaching and learning methods	Workshop: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	None	
Usability		
Examination	Complex assessment, 100 hours	
Workload and Credit points	180 hours, 6 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-203-ADTI WW-MA-203-ADTI WW-MA-PIE-AIE	Advanced Topics in International Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are familiar with current theoretical and empirical research in international economics. They can apply theoretical models and empirical methods, discuss the consequences of methodological differences, and write academic papers in the field.	
Contents	Advanced questions of international economics, theoretical and empirical contributions and methods of scientific research and selected approaches to address specific research questions.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 20 participants; selection based on the order of enrollment.	
Prerequisites for participation	Microeconomics and macroeconomics at the Bachelor's level. Literature for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition.	
Usability	MA BWL: Fields Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA WiPäd: Field Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-241-CGEA WW-MA-241-CGEA	Computable General Equilibrium Analysis	Prof. Dr. Artem Korzhenevych artem.korzhenevych@tu-dresden.de
Qualification objectives	Students are familiar with the method of applied equilibrium modeling and understand its microeconomic and macroeconomic foundations. You can create simple models with the help of the GAMS software and analyze the results. They are able to fill a CGE model with data, in particular to create a "social accounting matrix" from the national accounts data. Students are able to analyse different policy measures with the help of CGE models. You are familiar with English as a language of science.	
Contents	Contents of the module are theoretical foundations, data requirements, and application of the method of applied equilibrium modeling.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English. The practical is limited to 40 participants, selection based on the order of enrollment.	
Prerequisites for participation	English language skills at CEFR B2 level and knowledge of micro- and macroeconomics at Bachelor's level are required.	
Usability	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 75 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-205-CTAE WW-MA-205-CTAE WW-MA-PIE-CTE	Current Topics in Applied Econometrics	Prof. Dr. Kamila Cygan-Rehm wiwi-econometrics@tu-dresden.de
Qualification objectives	Students are introduced to modern econometric methods and learn how to solve typical challenges in data analysis in an economic policy and scientific context. They are able to analyze specific issues, propose suitable analysis methods, critically evaluate key assumptions, and assess the quality of empirical studies. In addition to conceptual content, data literacy is taught with the help of statistical software, thereby promoting students' programming skills.	
Contents	The module deals with current developments in selected methods of applied econometrics, in particular causal analysis (matching, shift-share instrumental variables, robust difference-in-differences, etc.). The relevant methods are illustrated using examples from current research on economic policy issues.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English. Participation is limited to 40 participants, selection based by lottery.	
Prerequisites for participation	Basic knowledge of econometrics at master's level, as taught in the Empirical Economics and Micro-econometrics modules, is required. Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.	
Usability	MA BWL: Fields Supplementary Qualifications, Methods and Procedures MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics, Methods and Procedures MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-221-CTER WW-MA-221-CTER WW-MA-PIE-TER	Current Topics in Empirical Economic Research	Jun.-Prof. Dr. Valentin Lindlacher valentin.lindlacher@tu-dresden.de
Qualification objectives	Students are able to analyse quantitative, research-oriented literature in economics as well as to grasp and evaluate relevant problems and re-search questions of empirical economic research and to classify them in further interdependencies.	
Contents	The contents of the module are current issues of empirical economic re-search and basic methods of application-oriented research.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 25 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Fields Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA WiPäd: Field Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 25 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-204-CTME WW-MA-204-CTME WW-MA-PIE-TME	Current Topics in International Monetary Economics	Prof. Dr. Stefan Eichler stefan.eichler@tu-dresden.de
Qualification objectives	Students are able to answer current questions in the field of financial crises, such as currency, banking and debt crises. They are able to analyse these questions from a theoretical, empirical and economic policy perspective.	
Contents	The contents of the module are theoretical and empirical economic policy research contributions of a fundamental and application-oriented nature to current applied problems of international monetary economics.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 20 participants, selection based by lottery.	
Prerequisites for participation	Knowledge of microeconomics and macroeconomics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Fields Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA WiPäd: Field Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-207-CTPE WW-MA-207-CTPE WW-MA-PIE-TPE	Current Topics in Public Economics	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	Students are familiar with applied problems in the field of finance as well as the relevant literature in English. They are able to prepare, analyse and evaluate current topics in public finance using scientific methods. They have mastered the methods of scientific work and can present and discuss their results.	
Contents	The contents of the module are theoretical and empirical economic policy research contributions of a fundamental and application-oriented nature to current applied problems in public finance.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 20 participants, selection based by lottery.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Fields Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA WiPäd: Field Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-203-DEVC WW-MA-203-DEVC WW-MA-PIE-DEV	Development Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are familiar with relevant models of modern growth theory as well as models of comparative development research. With the help of the models, they are able to explain the causes of intra- and international income differences. In addition, they are proficient in the analysis and interpretation of the effects of population change, fertility and migration.	
Contents	The module focuses on traditional and alternative explanatory approaches to growth and development, inequality, population growth and migration as determinants of development.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-201-EMIG WW-MA-201-EMIG WW-MA-PIE-MIG	Economics of Migration	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
Qualification objectives	Students are familiar with the economic causes and consequences of cross-border mobility of individuals and households. They are able to analyse and evaluate economic aspects of the migration debate and can communicate specialist knowledge in English.	
Contents	Contents of the module are individual economic migration incentives, global and nationstate effects of migration, migration and the welfare state, illegal immigration and questions of international policy coordination.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-207-EWST WW-MA-207-EWST WW-MA-PIE-EWS	Economics of the Welfare State	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	The students understand the mode of operation of social security systems and their dependence on economic and demographic developments. They are in a position to competently discuss and evaluate reform proposals	
Contents	The contents of the module are the functions and effects of social security systems. This includes normative reasons for the assumption of social security by the state as well as its design in the areas of health insurance as well as old-age and income security. The focus is on central model approaches, especially in the field of insurance economics.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-203-EMEC WW-MA-203-EMEC WW-MA-PIE-EEC	Empirical Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are familiar with the application of modern empirical methods of economics. They are able to use them independently.	
Contents	The contents of the module are the basics and methods of empirical economic research as well as the use of statistical software. Based on regression models, methods that allow causal interpretations are further contents of the module.	
Teaching and learning methods	Lecture: 2 hours per week Tutorial: 1,5 hour per week Independent study The language of the module is English. The module is limited to 60 participants, selection based by lottery.	
Prerequisites for participation	Knowledge of mathematics, especially calculus, stochastics and inferen-tial statistics at Abitur level, basic course, is required.	
Usability	MA BWL, A WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations. The module creates the prerequisites for the module Advanced Topics in Applied Econometrics.	
Examination	Complex assesment, 25 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-205-ELEC WW-MA-205-ELEC WW-MA-PIE-ELE	Empirical Labor Economics	Dr. Andreas Leibing andreas.leibing@tu-dresden.de
Qualification objectives	Students will learn about the suitability and application of various microeconomic methods in the field of labor market economics. Using current research papers, students will learn about common quantitative methods and their assumptions, as well as the state of research in empirical labor market economics.	
Contents	The module covers the various determinants of inequality in the labor market, both on the demand side and on the supply side. The methods used include standard microeconomic techniques for identifying causal effects.	
Teaching and learning methods	Lecture: 2 hours per week, Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of econometrics, as taught in the Empirical Economics module, for example, is required.	
Usability	MA BWL: Fields Methods and Procedures, Supplementary Qualifications, MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics, Methods and Procedures, Supplementary Qualifications MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-203-EMRT WW-MA-203-EMRT WW-MA-PIE-ERT	Empirical Research Task	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are able to comprehensively work on an economic, empirical research question. They can confidently use statistical software, for example R or Stata, set up theory-based hypotheses, formulate an empirical model, test the model econometrically, and communicate and critically question the results.	
Contents	Contents of the module are theory-based hypothesis formation, data processing methods and the creation and estimation of econometric models.	
Teaching and learning methods	Lecture: 1 hour per week Project: 2 hours per week Independent study The language of the module is English. The project is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Fields Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presentation and Discussion MA WiPäd: Field Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 150 hours	
Workload and Credit points	300 hours, 10 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-204-EXCR WW-MA-204-EXCR WW-MA-PIE-EXC	Exchange Rates	Prof. Dr. Stefan Eichler stefan.eichler@tu-dresden.de
Qualification objectives	Students are familiar with the functioning and structure of foreign exchange markets. They are familiar with theoretical and empirical questions of interest rate and purchasing power parity and understand the short- and long-term dynamics of exchange rates. They can explain the development of foreign exchange markets and their institutional structure.	
Contents	The contents of the module are the basics of exchange rates and foreign exchange markets, in particular structure, pricing and liquidity on the foreign exchange market, purchasing power and interest rate parity, the Mundell-Fleming model and the monetary model of exchange rate formation.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 60 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-204-SRFM WW-MA-204-SRFM WW-MA-PIE-RFM	Financial Stability and Regulation of Financial Markets	Prof. Dr. Thilo Liebig yvonne.bludau@tu-dresden.de
Qualification objectives	The students are familiar with the problem of systemic risk and its effects on financial market stability. They understand the essential tasks, institutions and instruments of banking, insurance, securities and macroprudential supervision at national and international level. They are able to analyse the causes and effects of financial crises in a well-founded manner and to discuss suitable regulatory mechanisms.	
Contents	The content of the module is the basics of financial stability in micro- and macroprudential dimensions. This includes various indicators to measure financial stability and models to explain financial crises and their impact.	
Teaching and learning methods	Lecture: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-204-IFIM WW-MA-204-IFIM WW-MA-PIE-IFM	International Financial Markets	Prof. Dr. Stefan Eichler stefan.eichler@tu-dresden.de
Qualification objectives	Students are familiar with the functioning and structure of international financial markets. They are able to analyse pricing on international financial markets, balance of payments problems and monetary policy issues and to derive practical conclusions.	
Contents	The contents of the module are the basics of international financial markets. This includes the various actors in the financial market, the instruments used to settle transactions, the pricing of equities and bonds, monetary policy, and the macroeconomic implications of capital and current account imbalances.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 60 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-207-IPEC WW-MA-207-IPEC WW-MA-PIE-IPE	International Public Economics	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	Students are able to place fundamental concepts of finance in a global context. In particular, they understand the strategic interaction between states and are able to analyse and evaluate policy measures in a globalised world.	
Contents	The content of the module is the motivation and effects of national policy measures in an international context in the absence of a so-called world government. The focus is on the strategic interaction between states in the design of economic policy instruments, modelled with the help of cooperative and non-cooperative concepts of game theory.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-MA-PIE-ISH	Internship Public and International Economics	Praktikumsbeauftragte bzw. Praktikumsbeauftragter der Fakultät Wirtschaftswissenschaften praktikantenamt.ww@mailbox.tu-dresden.de
Qualification objectives	Students have experience with complex practical problems and are informed about the feasibility of theoretical concepts. They can combine the theoretical knowledge they have acquired with professional practice.	
Contents	Economic policy issues with international reference in professional practice, specific requirements in the profession, particularly the various fields of work and internal activities at the internship site.	
Teaching and learning methods	Internship: 135 hours total, blocked in at least 4 weeks Independent study	
Prerequisites for participation	None	
Usability		
Examination	Ungraded term paper, 10 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-221-IGIS WW-MA-221-IGIS WW-MA-PIE-GIS	Introduction to Geographic Information Systems	Jun.-Prof. Dr. Valentin Lindlacher valentin.lindlacher@tu-dresden.de
Qualification objectives	Students are familiar with the software of Geographic Information Systems and are able to apply the software to problem cases in economics. You can collect, edit and analyze data through Geographic Information Systems and process it on the basis of a research or application question of economics.	
Contents	The contents of the module are the properties and application areas of Geographic Information Systems as well as the Geographic Information Systems software.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Basic programming and IT skills at Abitur level are required.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 25 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-208-MIEC WW-MA-208-MIEC WW-MA-PIE-MEC	Microeconometrics	Prof. Dr. Bernhard Schipp econometrics@tu-dresden.de
Qualification objectives	The students are familiar with econometric analysis methods based on individual data. You will be familiar with the current methods of microe-conometrics and will be able to use them to deal with economic issues.	
Contents	The module includes generalized linear models, maximum likelihood estimators, binomial/logit/probit models, multinomial models, regressions with censored and truncated variables, such as tobit models, dwell time models, hazard rate models, and panel data analysis.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of statistics and econometrics, in particular interval estimators and hypothesis tests as well as linear multiple regression models, is required at Bachelor's level. The following literature is suitable for preparation: Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures MA PIE The selection must be made in accordance with the examination regulations. The module creates the prerequisites for the module Advanced Topics in Applied Econometrics.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-221-MPDE WW-MA-221-MPDE WW-MA-PIE-MDE	Microeconomic Perspectives on Development Economics	Jun.-Prof. Dr. Valentin Lindlacher valentin.lindlacher@tu-dresden.de
Qualification objectives	Students are familiar with relevant topics and models of modern development economics as well as models of comparative development research. They are able to apply the role of various factors, such as health, education and private wealth, to the development of individuals and to critically examine the resulting policy measures.	
Contents	The module covers the role of different types of capital, in particular human, tangible, financial and social capital, coordination failures, models of asymmetric information, simple behavioural models and specific policy measures.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Complex assessment, 25 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-201-PECT WW-MA-201-PECT	Principles of Economic Theory	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
Qualification objectives	After completing the module, students will be familiar with current mi-cro- and macroeconomic theories and their formal analysis techniques. You will be able to use these instruments in the subsequent modules of the Master's programme to deal with economic issues.	
Contents	Contents of the module are household and production theory, game theory, imperfect competition, international trade, growth and general equilibrium as well as static and dynamic optimization.	
Teaching and learning methods	Lecture: 2 hours per week Tutorial: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of basic economic terms such as economic cycle, economic and market forms, economic analysis methods such as equilibrium anal-ysis and comparative statics at Bachelor's level is required, as discussed for example in The Core Team (Ed.). 2017. The Economy. Oxford Universi-ty Press, as well as knowledge of calculus, stochastics and inferential statistics at basic course Abitur level.	
Usability	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 25 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-MA-PIE-PPI	Principles of Public and International Economics	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
Qualification objectives	Students are familiar with current theories and formal analysis techniques of finance and foreign trade. They are able to use these tools to deal with economic issues.	
Contents	Contents of the module are budget and production theory, game theory, imperfect competition, international trade, growth and general equilibrium as well as applied computer-based modeling.	
Teaching and learning methods	Lecture: 4 hours per week Practical: 1 hour per week Tutorial: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of basic economic concepts, in particular economic cycle, economic forms, market forms, and economic analysis methods, in particular equilibrium analysis, comparative statics at Bachelor's level, as well as mathematics, in particular analysis, stochastics and inferential statistics at Abitur level, basic course, is required. The following literature is suitable for preparation: . https://www.core-econ.org/the-economy/ .	
Usability		
Examination	Complex assesment, 50 hours	
Workload and Credit points	360 hours, 12 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-MA-PIE-RSD	Research Design	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students have in-depth conceptual and application-oriented knowledge of general and task-specific research methods in economics. They can reflect on the relationships between research questions and methodology and are able to independently formulate an economics research project, treat it with appropriate scientific methods, and discuss the results.	
Contents	The content of the module is chosen by the student and includes economic theory, economic policy, public finance, monetary economics, international economics, or empirical economic research.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The courses are to be selected from the Research Design catalog of courses to the extent specified; this will be announced at the beginning of the semester in the usual manner. The language of the module is En	
Prerequisites for participation	The skills to be acquired in the modules Principles of Public and International Economics, Microeconometrics, Empirical Economics, and Academic Writing are required.	
Usability		
Examination	Complex assesment, 40 hours	
Workload and Credit points	300 hours, 10 credit points	
Frequency	Offered each semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-207-REEC WW-MA-207-REEC WW-MA-PIE-REC	Resource Economics	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	Students learn dynamic optimization tools to determine pricing in markets for exhaustible and renewable resources.	
Contents	Economic relationships in global resource markets and economic principles that govern the distribution of different categories of scarce natural resources among competing uses.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-421-SUSE WW-MA-421-SUSE WW-MA-PIE-SUS	Sustainability Economics	Prof. Dr. Artem Korzhenevych artem.korzhenevych@tu-dresden.de
Qualification objectives	Students are familiar with current theoretical and applied discussions in the field of sustainability economics. They are able to prepare, present, analyze, and discuss these current topics using scientific methods.	
Contents	Current theoretical and empirical research contributions of a fundamental and application-oriented nature to current applied problems in sustainability economics.	
Teaching and learning methods	Seminar: 2 hour per week Independent study The language of the module is English. The seminar is limited to 16 participants; selection based by lottery.	
Prerequisites for participation	Knowledge of microeconomics and macroeconomics at the bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition.	
Usability	MA BWL: Fields Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA WiPäd: Field Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-207-TTAX WW-MA-207-TTAX WW-MA-PIE-TAX	Theory of Taxation	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	Students have an in-depth understanding of central concepts of tax theory. They are able to penetrate and assess the impact of tax policy measures.	
Contents	The module focuses on the basic incentive and incidence effects of direct and indirect taxation as well as the optimal design of tax systems and tax reforms	
Teaching and learning methods	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Field Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics MA PIE The selection must be made in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-208-TSEC WW-MA-208-TSEC WW-MA-PIE-TSE	Time Series Econometrics	Prof. Dr. Bernhard Schipp econometrics@tu-dresden.de
Qualification objectives	Students can apply and evaluate the methods of time series econometrics. Furthermore, students are able to plan the empirical process for a given research question.	
Contents	Contents of the module are fundamentals of stochastic processes, auto-regressive-integrated-moving-average models, generalized-autoregressive-conditional-heteroskedasticity models, vector auto-regressive models and models in continuous time in the context of economic questions.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
Prerequisites for participation	Knowledge of statistics and econometrics at Bachelor's level is required.	
Usability	MA BWL, MA WiPäd, D WiIng, D WiInf: Methods and Procedures The selection must be made in accordance with the examination regulations.	
Examination	More than ten registered students: written exam, 120 minutes Up to ten registered students: non-public oral examination, 20 minutes duration as an individual examination	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-201-TECP WW-MA-201-TECP WW-MA-PIE-TEP	Topics in Economic Policy	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
Qualification objectives	Students are able to scientifically analyze a current economic policy problem. You will be able to evaluate alternative solutions and be proficient in communicating specialist knowledge in English.	
Contents	The contents of the module are theoretical and empirical economic policy research contributions of a fundamental and application-oriented nature to current applied problems of economic policy.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 20 participants, selection based by lottery,	
Prerequisites for participation	Knowledge of microeconomics and macroeconomics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Fields Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA WiPäd: Field Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-203-TIEC WW-MA-203-TIEC WW-MA-PIE-TIE	Topics in International Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are able to understand current theoretical and empirical contributions to international business, present their most important aspects in English and place them in a scientific context.	
Contents	The contents of the module are current theoretical and empirical research contributions of a fundamental and application-oriented nature to current applied problems of international business.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of microeconomics and macroeconomics at Bachelor's level is required. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, most recent edition, Blanchard, O.: Macroeconomics. Pearson, most recent edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Fields Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing MA WiPäd: Field Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-205-TPEV WW-MA-205-TPEV WW-MA-PIE-TPV	Topics in Policy Evaluation	Prof. Dr. Kamila Cygan-Rehm wiwi-econometrics@tu-dresden.de
Qualification objectives	Students are familiar with modern methods and applied challenges in empirical policy evaluations. They are able to analytically record the evaluation of concrete policy interventions, propose suitable research designs and critically deal with the central assumptions. In addition, they learn to assess the quality of empirical studies with regard to the study design used, the database and the derived policy recommendations.	
Contents	The module deals with common methods of policy evaluation (random-ized trials, difference-in-differences, regression discussibility, instrument variable estimation, matching, etc.) as well as their applications in the field of labor market, education, social and health policy (with changing focus-es). The current focus will be announced at the beginning of the semester in the usual way.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module is English. The seminar is limited to 15 participants, selection based on the order of enrollment.	
Prerequisites for participation	English language skills according to level B2 of the Common European Framework of Reference for Languages as well as knowledge of econometrics at Bachelor's level are required.	
Usability	MA BWL: Fields Methods and Procedures, Supplementary Qualifications, Presenting and Discussing D WiInf, D WiIng: Fields Methods and Procedures, Business Administration and Economics, Presenting and Discussing MA WiPäd: Fields Methods and Procedures, Business Administration and Economics MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 100 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each semester	
Duration	One semester	

Business Information Systems

Module number	Module name	Responsible lecturer
WW-D-305-ATBE WW-MA-305-ATBE	Aktuelle Themen des Business Engineerings	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
Qualification objectives	Students understand current issues in (digital) business engineering, can explain them and assess their theoretical and practical relevance. They are able to investigate, classify, discuss questions in their practical relevance through the use of scientific methods and to derive scientifically sound statements. They can design solutions and implement solutions that correspond to the state of the art. They can solve tasks of this kind in teamwork and organize them as a project.	
Contents	In a project work, the students deal with current scientific issues of (digital) business engineering in a practical application context.	
Teaching and learning methods	Project: 2 hours per week Independent study The language of the module is English. The project is limited to 15 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of general project management and methodological basics in the field of scientific work at Bachelor's level is required.	
Usability	MA BWL, MA WiPäd: Field Supplementary Qualifications D WiInf, D WiIng: Field Business Information Systems The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 120 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-301-ATIM WW-MA-301-ATIM	Aktuelle Themen des Informationsmanagements	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
Qualification objectives	Students understand current issues in information management, can explain them and assess them with regard to their theoretical and practical relevance. They are able to investigate, classify, discuss questions in their practical relevance through the use of scientific methods and to derive scientifically sound statements. They can design solutions and implement solutions that correspond to the state of the art. They can solve tasks of this kind in teamwork and organize them as a project.	
Contents	In a project work, the students deal with current scientific issues of information management in a practical application context.	
Teaching and learning methods	Project: 2 hours per week Independent study The language of the module is English. The project is limited to 15 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of general project management and methodological basics in the field of scientific work at Bachelor's level is required.	
Usability	MA BWL, MA WiPäd: Field Supplementary Qualifications D WiInf, D WiIng: Field Business Information Systems The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 110 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-304-AIAD WW-MA-304-AIAD	Artificial Intelligence for Advanced Analytics	Prof. Dr. Patrick Zschech patrick.zschech@tu-dresden.de
Qualification objectives	Students can translate domain-specific conditions from real-world applications into well-defined problems that can be addressed and solved using algorithmic approaches based on artificial intelligence (AI). They understand the challenges involved in developing intelligent information systems and can describe in detail the basic principles of machine learning and, in particular, deep artificial neural networks in the field of high-dimensional data structures (e.g., for processing image, text, and process data). Building on this, they have an in-depth understanding of data-driven, AI-based processing pipelines and can use modern technologies, methods, and algorithms to solve real-world problems in research and practice. Students are able to compare and evaluate different algorithmic and AI-based approaches and methodological procedures in order to critically assess their suitability for real-world problems. They can evaluate, interpret, and critically question the results of the pipelines they have developed. In addition, students are able to work collaboratively in project groups with other students, contribute their own ideas, and provide feedback. They can document the project results in a scientific manner, present them to a group, and defend them with arguments.	
Contents	The module covers the basic structure and functioning of deep artificial neural networks, in-depth aspects and forms of machine learning (in particular deep learning and representation learning), advanced aspects of data exploration, data visualization, and data preprocessing when dealing with high-dimensional data (e.g., manual feature engineering and automated processing of image and text data), the development of complex AI-based data processing pipelines, in-depth aspects of model development and model training using selected architectures of (deep) artificial neural networks (e.g., convolutional neural networks, recurrent neural networks, transformers), as well as advanced aspects of model evaluation, diagnosis, and interpretation—especially when using more complex AI models.	
Teaching and learning methods	Lecture: 2 hours per week Practical: 2 hours per week Project: 2 hour per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The module is li	
Prerequisites for participation	The skills acquired in the Programming and Databases and Machine Learning for Business Analytics modules are required.	

Usability	MA BWL, MA WiPäd: Fields Methods and Procedures, Supplementary Qualifications D WiInf, D WiIng: Fields Business Information Systems, Methods and Procedures, Supplementary Qualifications Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.
Examination	Complex assessment, 200 hours
Workload and Credit points	300 hours, 10 credit points
Frequency	Offered each winter semester
Duration	One semester

Module number	Module name	Responsible lecturer
WW-D-305-CSRS WW-MA-305-CSRS	Case Study Research	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
Qualification objectives	Students are familiar with central concepts, techniques and strategies along the various phases of case study research. They can explain these concepts, techniques and strategies using specific examples and apply them to classify and evaluate case study-based research work.	
Contents	Presentation and discussion of the phases of case study research as well as the analysis and evaluation of corresponding research articles.	
Teaching and learning methods	Seminar: 2 hours per week, Independent study The language of the module is English. The seminar is limited to 18 participants; selection based on the order of enrollment.	
Prerequisites for participation	Basic knowledge of scientific work at Bachelor's level; English language skills at B2 level.	
Usability	MA BWL, D WiInf, D WiIng: Fields Methods and Procedures, Presenting and Discussing MA WiPäd: Field Methods and Procedures Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assessment, 120 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-305-DAVI WW-MA-305-DAVI	Data Visualization	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
Qualification objectives	The students are familiar with central concepts and techniques as well as current software tools for visualizing data. They can use these concepts/techniques and tools to analyze data sets and derive relevant recommendations for action.	
Contents	After an introduction to the basics of data visualization, students work in project teams on the analysis of a large data set.	
Teaching and learning methods	Project: 2 hours per week Independent study The language of the module is English. The project is limited to 15 participants, selection based on the order of enrollment.	
Prerequisites for participation	Good knowledge of basic concepts, methods and contexts of economics at Bachelor's level is required.	
Usability	MA BWL, MA WiPäd: Field Supplementary Qualifications D WiInf, D WiIng: Field Business Information Systems The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 120 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-305-DDBM WW-MA-305-DDBM	Data-Driven Business Models	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
Qualification objectives	Students are familiar with central data-based technologies and understand their contribution to organizational value creation. In addition, they are familiar with essential concepts and frameworks for describing data-driven business models. They are able to apply these concepts/frameworks to analyze and discuss corresponding business models in the form of scientific contributions.	
Contents	Current issues relating to data-driven business models will be addressed.	
Teaching and learning methods	Project: 2 hours per week Independent study The language of the module is English. The project is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of basic concepts, methods and contexts of economics at Bachelor's level is required.	
Usability	MA BWL, MA WiPäd: Field Supplementary Qualifications D WiInf, D WiIng: Field Business Information Systems The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 120 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-305-DBEN WW-MA-305-DBEN WW-MA-PIE-DBE	Digital Business Engineering	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
Qualification objectives	The students are familiar with essential questions and central approach-es of (digital) business engineering as well as the basic principles for the methodical design of digital services and business models. In addition, they can apply selected methods and techniques to analyze and develop appropriate solutions.	
Contents	The contents of the module are essential questions, basic principles as well as selected methods and techniques of (digital) business engineer-ing.	
Teaching and learning methods	Lecture: 1 hour per week Project: 2 hours per week Independent study The language of the module is English. The project is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of business informatics at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WIPäd: Fields Business Administration and Economics, Supplementary Qualifications D WiInf, D WiIng: Fields Business Administration and Economics, Business Information Systems MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 60 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-335-DIHE WW-MA-335-DIHE WW-MA-PIE-DIH	Digital Health	Apl. Prof. Dr. Hannes Schlieter digital-health@tu-dresden.de
Qualification objectives	Students will be able to name the concepts of the design and management of digital health interventions and classify them in the context of information and communication systems in the healthcare sector. They are aware of the specifics of the healthcare industry, such as normative regulations, communication standards or technological limitations. Students will also be familiar with the basic concepts of providing, processing and utilizing health-related information and the associated technologies. They are able to conceptually describe, classify and evaluate systems for the provision of digital health services and integrated care concepts against the background of the overall organizational target corridor.	
Contents	Basic concepts of the design and management of digital health interventions, such as digital health applications (DiGAs), normative regulations and standards of medical informatics as well as central concepts for the design of operational information systems in integrated, patient-centered healthcare networks, such as patient pathways, electronic records, data security concepts, European strategies and digital health applications, such as digital therapeutics.	
Teaching and learning methods	Lecture: 2 hours per week, Seminar: 1 hour per week, Independent study The language of the module is English. Participation is limited to 20 participants; selection based on the order of enrollment.	
Prerequisites for participation	Good knowledge of basic concepts, methods and contexts of economics at Bachelor's level.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Fields Business Administration and Economics, Supplementary Qualifications MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Non-public oral examination as a group examination lasting 15 minutes per student.	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	

Duration	One semester
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Module number	Module name	Responsible lecturer
WW-D-301-ERPG WW-MA-301-ERPG	ERP-gestützte Geschäftsprozesse	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
Qualification objectives	Students have skills in the practical handling of ERP systems and can apply them in selected business processes. They also have an understanding of the concrete designs of operational application systems in a selection of specific industries and types of business, so that they can make well-founded assessments of the suitability of systems and the necessary system and process design requirements in simple operational contexts within the framework of the business processes dealt with. You will be able to understand and further develop the requirements of an exemplary user company and design the corresponding introduction and adaptation measures. In addition, they can explain the connection between IT management tasks and operational implementation by way of example. The students can critically question their project results and present and defend them in the role of a service provider (i.e. contractor's perspective) against a fictitious user company (client). You have in-depth practical project management skills as well as in-depth skills in the area of teamwork and (self-)organization.	
Contents	The subject of the module is the in-depth examination of operational business processes (e.g. trade and production processes), which are typically supported by enterprise resource planning systems (ERP systems). Furthermore, an exemplary business scenario of a user company with context, framework conditions and a variety of detailed information is discussed, which represents the starting point of the task to be solved in project form.	
Teaching and learning methods	Project: 2 hours per week Independent study The language of the module is English. The project is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of operational application systems and general project management at Bachelor's level as well as the skills to be acquired in the ERP simulation module are required.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd: Fields Business Administration and Economics, Supplementary Qualifications D WiInf, D WiIng: Fields Business Administration and Economics, Business Information Systems Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 110 hours	

Workload and Credit points	150 hours, 5 credit points
Frequency	Offered each winter semester
Duration	One semester

Module number	Module name	Responsible lecturer
WW-D-301-ERPP WW-MA-301-ERPP	ERP-Planspiel	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
Qualification objectives	Students have knowledge of how to use enterprise resource planning (ERP) systems, such as: SAP S/4HANA and can apply them practically. Students are able to combine knowledge from various business disciplines with business informatics skills and knowledge and apply them holistically in a realistic (but simplified) operational situation. Students are familiar with the functionality and complexity of ERP systems in the context of business decision-making situations and control tasks. You will be able to use an ERP system to manage a fictitious company on a simulated market. You will be able to analyse complex business contexts and market situations, derive plans and decisions in the group from them and implement them in an ERP system. They can question, evaluate and defend these decisions ex post. They can present their analysis results in English and master the technical terminology used with regard to the business and ERP system functionalities in English. Overall, they improve their skills to work in a team, to control processes in a group, to implement their tasks in a self-chosen form of project organization, to deepen social skills and their ability to make decisions under time pressure.	
Contents	The contents of the module are selected integrated specialist processes from the fields of materials management (esp. material requirements planning), production, procurement, financial accounting, controlling, marketing and sales as well as the interlinking of these functional areas in an integrated ERP system. In addition, the handling of an ERP system is taught and the deep integration of operational functional areas in such a system is illustrated. Furthermore, an exemplary company scenario with context, framework conditions and a variety of detailed information is presented.	
Teaching and learning methods	Lecture: 0,25 hour per week Practical: 0,25 hour per week Project: 2,5 hours per week Independent study The language of the module is English. The module is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of the basics of business administration, organization, accounting, production, logistics, basics of business informatics and business application systems at Bachelor's level is required. In addition, basic knowledge of the SAP S/4HANA ERP system is required.	

Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd: Fields Business Administration and Economics, Supplementary Qualifications D WiInf, D WiIng: Fields Business Administration and Economics, Business Information Systems Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned. The module creates the prerequisites for the module ERP-supported business processes.
Examination	Complex assesment, 90 hours
Workload and Credit points	150 hours, 5 credit points
Frequency	Offered each summer semester
Duration	One semester

Module number	Module name	Responsible lecturer
WW-D-304-GADA WW-MA-304-GADA	Gestaltungsansätze der Advanced Data Analytics	Prof. Dr. Patrick Zschech patrick.zschech@tu-dresden.de
Qualification objectives	Students are able to discuss complex problems in business informatics appropriately and, with the help of selected methods, analyze complex data-oriented issues and develop suitable solutions for them. They can organize their team tasks as projects and present the project results in a manner appropriate for the target audience.	
Contents	The module covers issues that are common in the context of IT-related analytics consulting in the fields of data science, business intelligence, data-based decision support, and data-driven business models.	
Teaching and learning methods	Project: 3 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The module is limited to 15 participants, selection based on the order	
Prerequisites for participation	Knowledge of the interrelationships and methods of economics, business informatics, and computer science at the bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications D WiInf: Fields Business Administration and Economics, Business Information Systems D WiIng: Field Business Administration and Economics MA WiPäd: Field Business Administration and Economics, Supplementary Qualifications Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 120 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered once per academic year	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-301-GBPS WW-MA-301-GBPS	Gestaltungsansätze der Business Processes and Systems	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
Qualification objectives	The students are able to discuss complex problems from business informatics appropriately and to analyze complex problems with the help of selected methods and to design suitable solutions for them in team-work. They can organize their task to be worked on in the team as a project and present the project results in a way that is appropriate for the target group.	
Contents	The course deals with issues that are common in the context of IT-related consulting in the fields of process management, system and pro-otype design, business model development and information management.	
Teaching and learning methods	Project: 3 hours per week Independent study The language of the module is English. The project is limited to 20 participants, selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of the interrelationships and methods of economics, business informatics and computer science at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd: Fields Business Administration and Economics, Supplementary Qualifications D WiInf, D WiIng: Fields Business Administration and Economics, Business Information Systems Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 120 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Business Education and Management Training

Module number	Module name	Responsible lecturer
WW-D-115-AFOL WW-MA-115-AFOL	Aktuelle Fragen des organisationalen Lernens	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
Qualification objectives	Students understand central terms, aspects and conditions of organizational learning and the learning organization and are familiar with theories and current research results on organizational learning and critically question them. They are familiar with current challenges and areas of responsibility in the field of organizational learning, analyze various organizations from the point of view of organizational learning on the basis of their acquired knowledge and reflect on them critically. Furthermore, students develop and develop possible measures to further develop and promote organizational learning in the organizational context and are able to design and conduct their own seminar unit on the basis of the knowledge they have acquired, which concerns a specific area of responsibility or a challenge of organizational learning/the learning organization.	
Contents	The contents of the module are organizational learning and learning or-organization, primarily from a pedagogical-didactic perspective. The focus is on people, who have a significant influence on organizational learning and thus organizational change, and on the various instruments or instru-ments. Measures that support him in this. Other contents of the module are selected topics of organizational learning in the corporate context and related current problems.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 30 participants, selection based by lottery.	
Prerequisites for participation	Sound pedagogical, didactic and business knowledge, especially about organization and management, is required at Bachelor's level.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd: Fields Business Administration and Economics, Business Education and Management Training D WiInf, D WiIng: Fields Business Administration and Economics, Supplementary Qualifications Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 90 hours	

Workload and Credit points	150 hours, 5 credit points
Frequency	Offered each summer semester
Duration	One semester

Module number	Module name	Responsible lecturer
WW-D-115-AFTP WW-MA-115-AFTP	Aktuelle Fragen in der Theorie und Praxis der kaufmännischen Aus- und Weiterbildung	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
Qualification objectives	The students develop theoretical and research-led solutions for selected questions or problems of commercial education and training, assess the solution approaches with regard to their practical feasibility and reflect on the connection between problem and solution approach with regard to suitability.	
Contents	The content of the module is current questions of the theory and practice of commercial education and training. Depending on the development, different priorities are set.	
Teaching and learning methods	Seminar: 3 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 20 participants, selection based by lottery.	
Prerequisites for participation	Business administration, economics and business education knowledge at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd: Fields Business Administration and Economics, Business Education and Management Training D WiInf, D WiIng: Fields Business Administration and Economics, Supplementary Qualifications Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-115-AHPM WW-MA-115-AHPM	Aktuelle Herausforderungen des Personalmanagements	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu- dresden.de
Qualification objectives	Students will be able to discuss current challenges in human resource management, analyze theoretical foundations, empirical findings, and methods for different human resources functions and, based on this, select suitable measures for adequately dealing with these challenges. They are able to apply their knowledge and skills to scientific work.	
Contents	The module focuses on current challenges of the various HR functions in the context of human resource management, their theoretical foundations, associated methods and empirical findings.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 30 participants, selection based by lottery.	
Prerequisites for participation	The module requires basic knowledge of business administration, in particular human resources management, at the level of a completed bachelor's degree in economics or comparable.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-115-ATWP WW-MA-115-ATWP	Aktuelle Themen der Wirtschaftspädagogik	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu- dresden.de
Qualification objectives	The students present current issues in business education from theory and practice using scientific methods, analyze and discuss them.	
Contents	The contents of the module are current issues of business education from theory and practice.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 30 participants, selection based by lottery.	
Prerequisites for participation	Basic knowledge of educational psychology, business didactics and commercial education at Bachelor's level is required.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd: Fields Business Education and Management Training, Business Administration and Economics D WiInf, D WiIng: Fields Business Administration and Economics, Supplementary Qualifications Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-115-AFPM WW-MA-115-AFPM	Ausgewählte Fragen des Personalmanagements	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
Qualification objectives	Students can independently analyze and discuss selected questions using scientific methods, derive implications for human resources work based on this and apply their knowledge and skills to scientific work.	
Contents	The contents of the module are selected questions as well as associated theories and empirical findings in the field of human resource management.	
Teaching and learning methods	Seminar: 3 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 30 participants, selection based by lottery.	
Prerequisites for participation	The module requires basic knowledge of business administration, in particular human resources management, at the level of a completed bachelor's degree in economics or comparable.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each summer semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-115-LIPA WW-MA-115-LIPA	Lernen im Prozess der Arbeit	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
Qualification objectives	The students know and understand the term learning as well as the theories and research results on learning in the process of work and critically question them. They understand various factors influencing learning in the process of work, can fathom them and apply the knowledge they have acquired with the aim of analysing and shaping work processes from a learning point of view. They are able to derive possible action measures that can improve learning in the process of working in an organization or make it more effective. They can solve application-oriented (case) studies, present their results and critically question them and the results of fellow students.	
Contents	Contents include theories and current research results on learning in the process of work ("workplace learning"), methods of combining learning and working, work design that promotes learning as well as technical, organizational and personal factors influencing learning in the process of work. Depending on current developments (e.g. in the working environment), topics are added. This content is scientifically analysed and the acquired knowledge is applied in a practical way.	
Teaching and learning methods	Seminar: 2 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 30 participants, selection based by lottery.	
Prerequisites for participation	The module requires sound knowledge of classical learning theories as well as personnel development, organization and management at the level of a completed bachelor's degree in business education or economics or comparable.	
Usability	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd: Fields Business Administration and Economics, Business Education and Management Training D WiInf, D WiIng: Fields Business Administration and Economics, Supplementary Qualifications Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	150 hours, 5 credit points	

Frequency	Offered each winter semester
Duration	One semester

Module number	Module name	Responsible lecturer
WW-MA-MMEL WW-D-115-MMEL WW-MA-115-MML	Multimediales Lernen	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
Qualification objectives	The students know and understand what is meant by multimedia, know and understand the psychological foundations of multimedia learning, the cognitive theory of multimedia learning as well as the principles for the design of multimedia and analyse existing multimedia materials and apply the design principles to materials to be created by them-selves.	
Contents	Contents are central concepts in connection with multimedia learning, learning psychology basics of multimedia learning, theories of multimedia learning as well as theory and practice of the development and analysis of multimedia teaching and learning materials.	
Teaching and learning methods	Seminar: 2 hours per week Project: 1 hour per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 30 participants, se	
Prerequisites for participation	Knowledge of classical learning theories at Bachelor's level is required.	
Usability	MA WiPäd 1 MA WiPäd 2: Field Business Administration and Economics MA BWL: Fields Business Administration, Supplementary Qualifications D WiInf, D WiIng: Fields Field Business Administration and Economics, Supplementary Qualifications MA PIE Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-MA-NTLL WW-D-115-NTLL WW-MA-115-NTLL	Neuere Theorien des Lehrens und Lernens	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
Qualification objectives	The students know, understand and reflect on newer theories, models and approaches to teaching and learning as well as current findings from related subject areas and research strands and apply the findings to the design and analysis of practical examples or teaching-learning processes for the corporate and school context.	
Contents	Recent theories, models, and approaches to learning and teaching that are relevant to both the corporate and school context; insights from related subject areas and research strands are taken into account.	
Teaching and learning methods	Seminar: 2 hours per week, Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. Participation is limited to 30 participants; selection based by lotte	
Prerequisites for participation	Knowledge of classical learning theories as well as didactic approaches and models for the preparation, implementation and follow-up of lessons or training courses at Bachelor level.	
Usability	MA WiPäd MA BWL, D WiInf, D WiIng:Field Supplementary Qualifications The selection must be made in accordance with the examination regulations.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

Module number	Module name	Responsible lecturer
WW-D-115-STPM WW-MA-115-STPM	Spezielle Themen des Personalmanagements	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
Qualification objectives	Students are able to analyze special topics of human resource management and develop solutions for them based on theory and empirical findings. They are able to independently design specific measures and critically reflect on (potential) results. They can apply their knowledge and skills to scientific work.	
Contents	The contents of the module are theories, empirical findings and measures on special topics of personnel management from the personnel functions of personnel planning and recruitment, personnel selection, personnel deployment and development or staff reduction and redundancy.	
Teaching and learning methods	Seminar: 3 hours per week Independent study The language of the module can be German or English and is determined at the beginning of each semester and announced in the usual manner. The seminar is limited to 30 participants, selection based by lottery.	
Prerequisites for participation	The module requires basic knowledge of business administration, in particular human resources management, at the level of a completed bachelor's degree in economics or comparable.	
Usability	MA BWL: Field Business Administration MA WiPäd, D WiInf, D WiIng: Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
Examination	Complex assesment, 90 hours	
Workload and Credit points	150 hours, 5 credit points	
Frequency	Offered each winter semester	
Duration	One semester	