

# **Faculty of Business and Economics**

## **Modules open to Erasmus students**

### **Master's Level**

updated: March 2026

#### **DISCLAIMER:**

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## **Business Administration**

Advanced International Financial Reporting  
Aktuelle Themen der Betrieblichen Umweltökonomie  
Aktuelle Themen des Management Science  
Applied Technologies in Logistics  
Beschaffungsmanagement  
Businessplanseminar  
Case Studies in Innovative & Sustainable Business  
Elektrizitätswirtschaft / Power System Economics  
Financial Technology  
Finanzderivate und Optionen  
Inventory Management  
Logistik mit SAP  
Management and Organization Theory  
Managing for Sustainability  
Managing People and Organizations  
Marketing Literature Review  
Marketing Science  
Marktforschung  
Multidisciplinary Perspectives of Sustainability  
Nachhaltigkeitscontrolling  
Neue Perspektiven der Energiewirtschaft  
Operations Research Vertiefung  
Organizational Behavior  
Prüfungslehre  
Regulierung und Ökonomie der Rechnungslegung  
Relationship Marketing  
Researching International Organizational Behavior  
Ressourcenmanagement  
Ressourcenökonomie und Umweltpolitik  
Risikocontrolling und Risikomanagement  
Risikoquantifizierung und -management in der Energiewirtschaft  
Scheduling  
Seminar Management Science  
Simulation und Modellierung  
Space Economics

Strategic Human Resource Management  
Strategic Sustainability Management  
Strategisches Controlling  
Studienprojekte in der Energiewirtschaft  
Technology Management  
Topics in Empirical Finance  
Trends in Organization and Management Studies  
Umweltorientierte Produktionsplanung  
Unternehmensbewertung und wertorientiertes Controlling  
Unternehmensethik  
Value-based Management

### **Economics**

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  
International Financial Markets  
International Public Economics  
Introduction to Geographic Information Systems  
Microeconometrics  
Microeconomic Perspectives on Development Economics  
Principles of Economic Theory  
Principles of Public and International Economics  
Resource Economics  
Spieltheorie  
Theory of Taxation  
Time Series Econometrics

Topics in Economic Policy

Topics in International Economics

Topics in Policy Evaluation

### **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

Wirtschaftsdidaktik im Spannungsfeld von Theorie und Praxis

### **Business Information Systems**

Aktuelle Themen der Informationssysteme in Industrie und Handel

Aktuelle Themen des Business Engineerings

Aktuelle Themen des Informationsmanagements

Case Study Research

Data-Driven Business Models

Digital Business Engineering

Digital Health

ERP-Planspiel

Gestaltungsansätze der Business Processes and Systems

Health Care Management

Projektseminar Software Development

### **Supplementary Qualifications**

Advanced Methods in Data Analytics

Applied Multivariate Statistics

Cost and Prices in Transport

Cost-Benefit Analysis in Transport

Cost-Benefit Evaluation of Infrastructure Projects and Traffic Law

Data-Driven Multivariate Statistics

Empirical Research in Spatial and Environmental Economics

Methoden des Operations Research

Methods in Data Analytics

Spatial Economics and the Environment

Theoretical Multivariate Statistics

Transport Ecology

Urban Economics

**Foreign Languages**

German Language Skills Basics

German Language Skills Beginners

## Business Administration

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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	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	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-102-ATBU WW-MA-102-ATBU	Aktuelle Themen der Betrieblichen Umweltökonomie	Prof. Dr. Remmer Sassen Lehre_bu@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-120-ATMS WW-MA-120-ATMS	Aktuelle Themen des Management Science	Jun.-Prof. Dr. Tristan Becker tristan.becker@tu-dresden.de
<b>Qualification objectives</b>	Students understand current issues in management science, can explain them, and assess their theoretical and practical relevance. They are able to examine issues in their practical context using scientific methods, classify them, discuss them, and derive scientifically sound conclusions. They can devise solutions and implement solutions in line with the current state of science.	
<b>Contents</b>	The module covers current theoretical and empirical issues in management science.	
<b>Teaching and learning methods</b>	Seminar: 3 hours per week Independent study The language of the modul is German. The seminar is limited to 15 participants, selection based on the order of enrollment.	
<b>Prerequisites for participation</b>	Knowledge of operations research at bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-112-ATIL WW-MA-112-ATIL	Applied Technologies in Logistics	Prof. Dr. Rainer Lasch logistik@mailbox.tu-dresden.de
<b>Qualification objectives</b>	Students have in-depth knowledge of scientific work and have insights into current research issues as well as project-specific problems in logistics.	
<b>Contents</b>	The content of the module is current topics in the areas of logistics, procurement and supply chain management.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Basic knowledge of scientific and practical work is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 120 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-112-BEMA WW-MA-112-BEMA	Beschaffungsmanagement	Prof. Dr. Rainer Lasch logistik@mailbox.tu-dresden.de
<b>Qualification objectives</b>	Students will be able to present and discuss the basics and instruments of procurement management. You will be able to apply and compare procedures from supplier management and program- and consumption-oriented material requirements calculation. In addition, they can use models of deterministic and stochastic warehousing and compare them in an explanatory way. Furthermore, students can discuss, select and apply the procedures of quality assurance. They can also use presentation and rhetoric techniques.	
<b>Contents</b>	The contents of the module are the basics of procurement management, methods of material requirements calculation, deterministic and stochastic warehousing as well as quality assurance.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Knowledge of accounting, business administration, organization, market-ing, sustainable corporate management, annual financial statements, investment, financing, production and logistics at Bachelor's level is re-quired.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 15 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-113-BPLS WW-MA-113-BPLS	Businessplanseminar	Prof. Dr. Michael Schefczyk mandy.windisch@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of business administration and organization, marketing, sustainable corporate management, annual financial statements, investment and financing is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 200 hours	
<b>Workload and Credit points</b>	300 hours, 10 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-101-CSIB WW-MA-101-CSIB	Case Studies in Innovative & Sustainable Business	Prof. Dr. Peter Schäfer maac@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The content of the module is relevant, current practical problems from innovative or sustainable corporate management.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Basic knowledge of investment calculation at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 30 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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 modeling. Students are able to mathematically set up and implement basic optimization models from the field of operations research.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of energy economics at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Portfolio, 90 hours	

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

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-105-FITE WW-MA-105-FITE WW-MA-PIE-FTE	Financial Technology	Prof. Dr. Lars Hornuf arite.schrehardt@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of annual financial statements, investment and financing at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-105-FDOP WW-MA-105-FDOP	Finanzderivate und Optionen	Prof. Dr. Lars Hornuf arite.schrehardt@tu-dresden.de
<b>Qualification objectives</b>	Students know the theoretical basics of financial derivatives and options and can carry out an assessment independently. They are able to implement this knowledge when implementing trading strategies.	
<b>Contents</b>	The content of the module is the theoretical basics of various financial derivatives and options. Students first repeat the basics of portfolio management. They then learn about symmetrical derivatives and options, their valuation and corresponding trading strategies. Afterwards, the trading of derivatives, the regulatory framework and clearing are discussed.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Knowledge of annual financial statements, investment and financing at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-103-INMA WW-MA-103-INMA	Inventory Management	Prof. Dr. Udo Buscher bwlim@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	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	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-112-LSAP WW-MA-112-LSAP	Logistik mit SAP	Prof. Dr. Rainer Lasch logistik@mailbox.tu-dresden.de
<b>Qualification objectives</b>	Students have basic knowledge of SAP S/4HANA and are familiar with its specific applications in the field of logistics. They are able to solve potential problems in real-world business situations.	
<b>Contents</b>	The module covers standard business software, special applications in the field of logistics, and the processing of practical business management issues.	
<b>Teaching and learning methods</b>	Seminar: 4 hours per week Independent study The language of the module is German. The module is limited to 24 participants, selection based by lottery.	
<b>Prerequisites for participation</b>	Knowledge of production logistics, distribution logistics, and supply chain management at the bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assessment, 50 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-111-MAOT WW-MA-111-MAOT	Management and Organization Theory	Prof. Dr. Stefan Razinskas orga.wiwi@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-121-MASU WW-MA-121-MASU	Managing for Sustainability	Jun.-Prof. Dr. Samantha Dijkstra-Silva Sustainability@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The module covers aspects of current research on sustainability and management theory.	
<b>Teaching and learning methods</b>	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	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-111-MPAO WW-MA-111-MPAO	Managing People and Organizations	Prof. Dr. Stefan Razinskas orga.wiwi@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Basic knowledge of business administration, in particular organization and personnel management at Bachelor's level; English language skills at B2 level.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assessment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-104-MLIR WW-MA-104-MLIR	Marketing Literature Review	Prof. Dr. Florian Ulrich Siems florian.siems@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The contents of the module are the presentation of selected topics of market research in literature.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of marketing at Bachelor's level as well as the skills to be acquired in the market research module are required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-104-MASC WW-MA-104-MASC	Marketing Science	Prof. Dr. Florian Siems florian.siems@tu-dresden.de
<b>Qualification objectives</b>	Students understand the connections between various current research approaches, methods and results in the field of marketing and are able to classify and critically evaluate them.	
<b>Contents</b>	The module covers various current research approaches as well as methods and results in the field of marketing.	
<b>Teaching and learning methods</b>	Lecture: 3 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Knowledge of market research at Bachelor's level is required. Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-104-MAFO WW-MA-104-MAFO	Marktforschung	Prof. Dr. Florian Siems florian.siems@tu-dresden.de
<b>Qualification objectives</b>	Students will gain an overview of the basics of market research as well as selected methods of data analysis. They are able to apply, classify, evaluate and interpret selected data analysis methods. Furthermore, they solve given facts using the statistical software SPSS.	
<b>Contents</b>	The contents of the module are the basics of market research as well as methods of data analysis (in particular multivariate analysis methods).	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is German. The module is limited to 100 participants, selection based on the order of enrollment.	
<b>Prerequisites for participation</b>	Basic knowledge of statistics (statistical parameters such as median/mode/variance as well as basics of stochastics) at Bachelor's level is required. Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-121-MPSU WW-MA-121-MPSU	Multidisciplinary Perspectives of Sustainability	Jun.-Prof. Dr. Samantha Dijkstra-Silva Sustainability@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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).	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-102-NHCO WW-MA-102-NHCO	Nachhaltigkeitscontrolling	Prof. Dr. Remmer Sassen lehre_bu@mailbox.tu-dresden.de
<b>Qualification objectives</b>	The students understand the measurement and management of corporate success in the context of controlling with regard to sustainability on an economic, ecological and social level and can interpret it. After graduation, 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 instruments for sustainability assessment for business decisions.	
<b>Contents</b>	Contents of the module are the relevance of sustainability for the financial success of a company, integration of sustainability aspects into the controlling of a company, monetary and non-monetary instruments for sustainability assessment and decision-making in the company, use of sustainability-oriented corporate strategies to increase the value of the company	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of accounting, annual financial statements, investment, financing, 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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-114-NPEW WW-MA-114-NPEW	Neue Perspektiven der Energiewirtschaft	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
<b>Qualification objectives</b>	Students are able to analyze current issues in the energy industry from a scientific-theoretical perspective, evaluate them, and derive implications for energy industry stakeholders.	
<b>Contents</b>	The module deals with changing current issues from a macroeconomic perspective and an energy system analysis perspective that are current and relevant in the scientific energy economics debate.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of the energy industry at bachelor's level is required.	
<b>Usability</b>	MA BWL: Field 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.	
<b>Examination</b>	Combined term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-103-ORVT WW-MA-103-ORVT	Operations Research Vertiefung	Prof. Dr. Udo Buscher bwlim@tu-dresden.de
<b>Qualification objectives</b>	Students are able to formally describe a variety of different business optimization problems and master methods to solve linear, nonlinear and mixed/integer problems exactly. In addition, they are able to use metaheuristic solution algorithms in addition to exact methods and to analyze their strengths and weaknesses.	
<b>Contents</b>	Contents of the module are methods of integer linear optimization, advanced methods of linear optimization, basics and methods of nonlinear optimization and metaheuristic solutions.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	The competencies to be acquired in the Methods of Operations Research module are required.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	More than nine registered students: written exam, 90 minutes Up to nine registered students: non-public oral examination, 20 minutes duration as an individual examination	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-123-ORBE WW-MA-123-ORBE	Organizational Behavior	Jun.-Prof. Dr. Sebastian Störmer sebastian.stoermer@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	Issues and concepts of Organizational Behavior as well as the basics of the study of human behavior in organizations.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of the organization at Bachelor's level; English language skills at B2 level.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-107-PRÜL WW-MA-107-PRÜL	Prüfungslehre	Prof. Dr. Michael Dobler wus@mailbox.tu-dresden.de
<b>Qualification objectives</b>	After completing the module, students will be able to present and explain the business, legal and economic foundations of the final examination. They are familiar with the process of an audit and are able to analyse the individual phases of an audit and identify possible problem areas.	
<b>Contents</b>	The content of the module is the institutional, theoretical and normative foundations of the audit, the audit process – from the placing and acceptance of the order to the planning and implementation of the audit and reporting – as well as economic analyses of the audit.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Basic knowledge of accounting, annual financial statements, investment and financing as well as mathematics at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	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	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-107-RÖRL WW-MA-107-RÖRL	Regulierung und Ökonomie der Rechnungslegung	Prof. Dr. Michael Dobler wus@mailbox.tu-dresden.de
<b>Qualification objectives</b>	Students have in-depth knowledge of the interplay of regulations and incentives in external accounting. They are able to assess rule-making processes, the design of accounting regulations and their effect on accounting legends and capital markets on the basis of economic concepts. They can combine approaches and theories for explaining and measuring lobbying, voluntary publicity and balance sheet policy and thus derive a problem-aware analysis of external accounting.	
<b>Contents</b>	The content of the module is the interplay of norms and incentives in external accounting, in particular with regard to standard-setting, purposes, accounting policy and publicity, as well as their analysis on the basis of conceptual, analytical and empirical approaches.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Basic knowledge of accounting, annual financial statements, investment and financing as well as linear algebra at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	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	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-104-REMA WW-MA-104-REMA	Relationship Marketing	Prof. Dr. Florian Siems florian.siems@tu-dresden.de
<b>Qualification objectives</b>	Students will gain an overview of the theoretical foundations of relationship marketing, understand the connections with other disciplines (especially classical marketing) and understand analysis and management methods relevant to relationship marketing (especially in the area of customer satisfaction). You will apply relationship marketing-relevant analysis and management methods and will be able to classify and understand current scientific work in this area.	
<b>Contents</b>	The contents of the module are the origin and theoretical foundations of relationship marketing. Furthermore, analysis and management methods related to relationship marketing (especially in the area of customer satisfaction management) are part of the module.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Knowledge of marketing at Bachelor's level is required. Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-123-RIOB WW-MA-123-RIOB	Researching International Organizational Behavior	Jun.-Prof. Dr. Sebastian Störmer sebastian.stoermer@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The module covers research traditions, theories, and methodological approaches in international organizational behavior.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Term paper, 75 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-102-RSMG WW-MA-102-RSMG	Ressourcenmanagement	Prof. Dr. Remmer Sassen Lehre_bu@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-114-RÖUP WW-MA-114-RÖUP	Ressourcenökonomie und Umweltpolitik	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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 resource economics, environmental policy and the energy industry as well as related problems and concepts and to transfer them to expected questions. Students are able to answer quantitative problems in a group with the help of modelling and to mathematically set up and implement fundamental optimisation models and/or complementarity problems. Students are able to assess and summarize scientific literature in the context of the module.	
<b>Contents</b>	Contents of the module are basic definitions and theories of resource and environmental economics, resource cycles, the basics of operation research in resource and environmental economics, the economic theoretical handling of exhaustible and regenerative resources, critical raw materials, interaction of economic growth and environmental protection, distribution of raw materials, external effects, environmental policy instruments and climate protection.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of the energy industry, the electricity industry and risk management at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Portfolio, 150 hours	
<b>Workload and Credit points</b>	300 hours, 10 credit points	
<b>Frequency</b>	Offered each summer semester	

<b>Duration</b>	One semester
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<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-106-RCRM WW-MA-106-RCRM	Risikocontrolling und Risikomanagement	Prof. Dr. Thomas Günther lehrstuhl.controlling@tu-dresden.de
<b>Qualification objectives</b>	Students understand the tasks and objectives of risk control and risk management. They have an overview of the various subsystems of risk management, risk management systems, risk assessment, risk modeling, and risk reporting.	
<b>Contents</b>	The module covers the basics of risk management, risk management systems, risk assessment, risk modeling, and risk reporting. The module is designed for managers and executives who are responsible for risk management in their organizations. The module is also suitable for employees who are involved in risk management processes.	
<b>Teaching and learning methods</b>	Lecture: 1 hour per week Practical: 1 hour per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Business administration knowledge at bachelor's level is required, as taught, for example, in the module on annual financial statements, investment, and financing.	
<b>Usability</b>	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.	
<b>Examination</b>	Non-public oral examination as a group examination of 15 minutes for the individual examination supervisor	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-114-RMEW WW-MA-114-RMEW	Risikoquantifizierung und -management in der Energiewirtschaft	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of the requirements of liberalised energy markets at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	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	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-120-SCHE WW-MA-120-SCHE	Scheduling	Jun.-Prof. Dr. Tristan Becker
<b>Qualification objectives</b>	<p>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.</p>	
<b>Contents</b>	<p>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.</p>	
<b>Teaching and learning methods</b>	<p>Lecture: 2 hours per week  Practical: 2 hours per week  Independent study  The language of the module is English.</p>	
<b>Prerequisites for participation</b>	<p>Knowledge of operations research at bachelor's level is required.</p>	
<b>Usability</b>	<p>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.</p>	
<b>Examination</b>	<p>Written exam, 60 minutes</p>	
<b>Workload and Credit points</b>	<p>150 hours, 5 credit points</p>	
<b>Frequency</b>	<p>Offered each summer semester</p>	
<b>Duration</b>	<p>One semester</p>	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-120-SMSC WW-MA-120-SMSC	Seminar Management Science	Jun.-Prof. Dr. Tristan Becker tristan.becker@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	Current scientific issues in management science.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of operations research at bachelor level.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assessment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-103-SIMO WW-MA-103-SIMO	Simulation und Modellierung	Prof. Dr. Udo Buscher bwlim@tu-dresden.de
<b>Qualification objectives</b>	The students are familiar with methods of discrete event simulation, can apply them and understand their advantages and disadvantages. They are able to model production systems using appropriate software and optimize them with the help of simulation methods. The students can build the experimental design of a simulation study for a given problem and interpret and evaluate its results.	
<b>Contents</b>	The contents of the module are the basics of discrete event simulation, the modeling of queue systems using appropriate software, the setup and interpretation of simulation studies as well as the analysis and optimization of industrial systems with the help of appropriate tools.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1,5 hours per week Independent study The language of the module is German. The practical is limited to 25 participants, selection based on the order of enrollment.	
<b>Prerequisites for participation</b>	Knowledge of programming as well as calculus and linear algebra at Bachelor's level is required.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-105-SPEC WW-MA-105-SPEC	Space Economics	Prof. Dr. Lars Hornuf arite.schrehardt@tu-dresden.de
<b>Qualification objectives</b>	Students have a basic knowledge of business models, financing structures and innovation processes in the established space sector and the New Space Economy. They are able to differentiate New Space companies from established aerospace companies on the basis of several indicators. The students understand the current market structure and business models in space travel. They are familiar with key stakeholders in the areas of financing, business and government actors and can use remote sensing data for their own scientific purposes.	
<b>Contents</b>	The module focuses on business models, financing structures and innovation processes in the established space sector and the New Space Economy.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Knowledge of annual financial statements, investment and financing at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-123-SHRM WW-MA-123-SHRM	Strategic Human Resource Management	Jun.-Prof. Dr. Sebastian Störmer sebastian.stoermer@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	Fundamentals and issues of strategic human resource management, including relevant theoretical approaches and research.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Basic knowledge of business administration, particularly human resources management and organizational management at bachelor's level; English language skills at level B2.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 75 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-102-STSM WW-MA-102-STSM WW-MA-PIE-SSM	Strategic Sustainability Management	Dr. Remmer Sassen lehre_bu@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 1 hour per week Tutorial: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-106-STCO WW-MA-106-STCO	Strategisches Controlling	Prof. Dr. Thomas Günther lehrstuhl.controlling@tu-dresden.de
<b>Qualification objectives</b>	Students know and master the fundamentals of strategic management and strategic controlling. They are able to design business and corporate strategies and manage their implementation.	
<b>Contents</b>	The module covers the fundamentals of strategic management and strategic controlling.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is German. The module is limited to 70 participants, selection based on the order of enrollment.	
<b>Prerequisites for participation</b>	Business management knowledge at bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Non-public oral examination as a group examination of 15 minutes for the individual examination supervisor	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-114-SPEW WW-MA-114-SPEW	Studienprojekte in der Energiewirtschaft	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of the energy industry, the electricity industry as well as risk quantification and management at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 120 hours	
<b>Workload and Credit points</b>	300 hours, 10 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-113-TEMA WW-MA-113-TEMA WW-MA-PIE-TMA	Technology Management	Prof. Dr. Michael Schefczyk mandy.windisch@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of business administration, organization, marketing, sustainable corporate management, annual financial statements, investment and financing at bachelor's level as well as basic knowledge of innovation and product management are required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	Students can develop their own research designs and plan for implementation.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Seminar: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of annual financial statements, investment and financing at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 40 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-111-TOMS WW-MA-111-TOMS	Trends in Organization and Management Studies	Prof. Dr. Stefan Razinkas orga.wiwi@tu-dresden.de
<b>Qualification objectives</b>	<p>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.</p> <p>Students have key qualifications in the areas of rhetoric, presentation and presentation techniques, as well as social skills and teamwork.</p>	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	<p>Seminar: 3 hours per week</p> <p>Independent study</p> <p>The language of the module is English.</p> <p>The module is limited to 20 participants, selection based on the order of enrollment.</p>	
<b>Prerequisites for participation</b>	<p>The module requires basic knowledge of scientific work and business administration, in particular organization and human resource management at bachelor's level.</p> <p>Furthermore, English language skills at level B2 of the Common European Framework of Reference for Languages are required.</p>	
<b>Usability</b>	<p>MA BWL: Fields Business Administration, Presenting and Discussing</p> <p>D WiInf, D WiIng: Fields Business Administration and Economics, Presenting and Discussing</p> <p>MA WiPäd: Field Business Administration and Economics</p> <p>Students must choose according to the respective examination regulations. The choice is only permitted for one of the fields mentioned.</p>	
<b>Examination</b>	Complex assessment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-103-UOPP WW-MA-103-UOPP	Umweltorientierte Produktionsplanung	Prof. Dr. Udo Buscher bwlim@tu-dresden.de
<b>Qualification objectives</b>	The students understand production systems as input-output systems. They are able to model production economic facts with production functions, integrate environmentally relevant by-products and uncover the cost- and environment-related effects along the supply chain.	
<b>Contents</b>	The content of the module is basic concepts of production and cost theory, substitutional production functions, limitation production functions, Gutenberg production function and dismantling planning.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Knowledge of business production theory and logistics at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	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	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-106-UBWC WW-MA-106-UBWC	Unternehmensbewertung und wertorientiertes Controlling	Prof. Dr. Thomas Günther lehrstuhl.controlling@tu-dresden.de
<b>Qualification objectives</b>	The students know and master the basics and methods of company valuation and corporate value-oriented controlling. They are able to use this knowledge to solve business decision-making problems.	
<b>Contents</b>	The content of the module is the basics and methods of company valuation and corporate value-oriented controlling.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is German. The module is limited to 70 participants, selection based on the order of enrollment.	
<b>Prerequisites for participation</b>	Business administration knowledge at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Non-public oral examination as a group examination of 15 minutes for the individual examination supervisor	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-122-UNET WW-MA-122-UNET	Unternehmensethik	Jun.-Prof. Dr. Ignas Bruder Ignas.bruder@tu-dresden.de
<b>Qualification objectives</b>	Students have detailed knowledge in the areas of business and business ethics. They are able to critically reflect on scientific and practical problems in an ethical manner and to make independent theoretically in-formed assessments.	
<b>Contents</b>	The content of the module is general principles of ethics as well as central concepts of business and business ethics.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Knowledge of business administration, organization, and sustainable business management at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 15 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-101-VBMA WW-MA-101-VBMA	Value-based Management	Prof. Dr. Peter Schäfer maac@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The module focuses on incentive and key figure systems, remuneration systems, value creation and residual profit.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Basic knowledge of external accounting, cost accounting and investment accounting at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 120 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

## Economics

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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	Advanced questions of international economics, theoretical and empirical contributions and methods of scientific research and selected approaches to address specific research questions.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Microeconomics and macroeconomics at the Bachelor's level. Literature for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assessment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-241-CGEA WW-MA-241-CGEA	Computable General Equilibrium Analysis	Prof. Dr. Artem Korzhenevych artem.korzhenevych@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	Contents of the module are theoretical foundations, data requirements, and application of the method of applied equilibrium modeling.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	English language skills at CEFR B2 level and knowledge of micro- and macroeconomics at Bachelor's level are required.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Complex assesment, 75 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The contents of the module are current issues of empirical economic re-search and basic methods of application-oriented research.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 25 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-203-DEVC WW-MA-203-DEVC WW-MA-PIE-DEV	Development Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The module focuses on traditional and alternative explanatory approaches to growth and development, inequality, population growth and migration as determinants of development.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-201-EMIG WW-MA-201-EMIG WW-MA-PIE-MIG	Economics of Migration	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-203-EMEC WW-MA-203-EMEC WW-MA-PIE-EEC	Empirical Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
<b>Qualification objectives</b>	Students are familiar with the application of modern empirical methods of economics. They are able to use them independently.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of mathematics, especially calculus, stochastics and inferen-tial statistics at Abitur level, basic course, is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 25 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-205-ELEC WW-MA-205-ELEC WW-MA-PIE-ELE	Empirical Labor Economics	Dr. Andreas Leibing andreas.leibing@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week, Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of econometrics, as taught in the Empirical Economics module, for example, is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-203-EMRT WW-MA-203-EMRT WW-MA-PIE-ERT	Empirical Research Task	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	Contents of the module are theory-based hypothesis formation, data processing methods and the creation and estimation of econometric models.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	A bachelor's-level understanding of microeconomics, macroeconomics, and econometrics is required. The following text is recommended for preparation: S. Cunningham, *Causal Interference: The Mixtape*, Yale University Press, 2021.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 150 hours	
<b>Workload and Credit points</b>	300 hours, 10 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-204-EXCR WW-MA-204-EXCR WW-MA-PIE-EXC	Exchange Rates	Prof. Dr. Stefan Eichler stefan.eichler@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-204-IFIM WW-MA-204-IFIM WW-MA-PIE-IFM	International Financial Markets	Prof. Dr. Stefan Eichler stefan.eichler@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 60 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-207-IPEC WW-MA-207-IPEC WW-MA-PIE-IPE	International Public Economics	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The contents of the module are the properties and application areas of Geographic Information Systems as well as the Geographic Information Systems software.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Basic programming and IT skills at Abitur level are required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 25 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-208-MIEC WW-MA-208-MIEC WW-MA-PIE-MEC	Microeconometrics	Prof. Dr. Bernhard Schipp econometrics@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 25 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-201-PECT WW-MA-201-PECT	Principles of Economic Theory	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Tutorial: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of basic economic terms such as economic cycle, economic and market forms, economic analysis methods such as equilibrium analysis and comparative statics at Bachelor's level is required, as discussed for example in The Core Team (Ed.). 2017. The Economy. Oxford University Press, as well as knowledge of calculus, stochastics and inferential statistics at basic course Abitur level.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Complex assesment, 25 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-MA-PIE-PPI	Principles of Public and International Economics	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 4 hours per week Practical: 1 hour per week Tutorial: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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: . <a href="https://www.core-econ.org/the-economy/">https://www.core-econ.org/the-economy/</a> .	
<b>Usability</b>		
<b>Examination</b>	Complex assesment, 50 hours	
<b>Workload and Credit points</b>	360 hours, 12 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-207-REEC WW-MA-207-REEC WW-MA-PIE-REC	Resource Economics	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
<b>Qualification objectives</b>	Students learn dynamic optimization tools to determine pricing in markets for exhaustible and renewable resources.	
<b>Contents</b>	Economic relationships in global resource markets and economic principles that govern the distribution of different categories of scarce natural resources among competing uses.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-201-SPIL WW-MA-201-SPIL	Spieltheorie	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
<b>Qualification objectives</b>	Students are familiar with basic and advanced concepts of game theory. They can present and explain the strategic behavior of players and their interactions, independently model conflict situations in different economic contexts and are able to analyze them adequately.	
<b>Contents</b>	The contents of the module are static and dynamic games with complete and incomplete information as well as evolutionary and experimental game theory with applications in business, economics and political science contexts.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Knowledge of game theory at Bachelor's level is required.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Written exam, 120 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-207-TTAX WW-MA-207-TTAX WW-MA-PIE-TAX	Theory of Taxation	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 1 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-208-TSEC WW-MA-208-TSEC WW-MA-PIE-TSE	Time Series Econometrics	Prof. Dr. Bernhard Schipp econometrics@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of statistics and econometrics at Bachelor's level is required.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiIng, D WiInf: Methods and Procedures The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	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	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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,	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 100 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The contents of the module are organizational learning and learning 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 instruments. 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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Sound pedagogical, didactic and business knowledge, especially about organization and management, is required at Bachelor's level.	
<b>Usability</b>	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.	

<b>Examination</b>	Combined term paper, 90 hours
<b>Workload and Credit points</b>	150 hours, 5 credit points
<b>Frequency</b>	Offered each summer semester
<b>Duration</b>	One semester

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Business administration, economics and business education knowledge at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-115-AHPM WW-MA-115-AHPM	Aktuelle Herausforderungen des Personalmanagements	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-115-ATWP WW-MA-115-ATWP	Aktuelle Themen der Wirtschaftspädagogik	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu- dresden.de
<b>Qualification objectives</b>	The students present current issues in business education from theory and practice using scientific methods, analyze and discuss them.	
<b>Contents</b>	The contents of the module are current issues of business education from theory and practice.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Basic knowledge of educational psychology, business didactics and commercial education at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-115-AFPM WW-MA-115-AFPM	Ausgewählte Fragen des Personalmanagements	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The contents of the module are selected questions as well as associated theories and empirical findings in the field of human resource management.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-115-LIPA WW-MA-115-LIPA	Lernen im Prozess der Arbeit	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu- dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Combined term paper, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	

<b>Frequency</b>	Offered each winter semester
<b>Duration</b>	One semester

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-MA-MMEL WW-D-115-MMEL WW-MA-115-MML	Multimediales Lernen	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu- dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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	
<b>Prerequisites for participation</b>	Knowledge of classical learning theories at Bachelor's level is required.	
<b>Usability</b>	MA WiPäd 1 MA WiPäd 2: Field Business Administration and Economics MA BWL: Fields Business Administration, Supplementary Qualifications 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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
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
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	MA WiPäd MA BWL, D WiInf, D WiIng:Field Supplementary Qualifications The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Complex assessment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-115-STPM WW-MA-115-STPM	Spezielle Themen des Personalmanagements	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	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.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-115-WDSF WW-MA-115-WDSF	Wirtschaftsdidaktik im Spannungsfeld von Theorie und Praxis	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu-dresden.de
<b>Qualification objectives</b>	The students plan the use of teaching-learning environments for commercial education and training, adapt learning objectives, content, methods and media to the target group, the spatio-temporal and situational framework conditions and implement teaching-learning environments in practice. You will critically reflect on the learning environments and their implementation, applying and deepening basic knowledge of learning theory and didactics-methodology.	
<b>Contents</b>	The contents of the module are selected teaching and learning environments for commercial education and training, their teaching-learning theoretical and didactic-methodological foundations as well as framework conditions for practical application in commercial education and/or further education.	
<b>Teaching and learning methods</b>	Seminar: 4 hours per week Independent study The language of the module is German. The seminar is limited to 15 participants, selection based by lottery,	
<b>Prerequisites for participation</b>	Comprehensive didactic and methodological knowledge as well as experience in the preparation, implementation and reflection of courses or lessons as well as sound knowledge of various learning theories, educational policy, organisational and institutional issues of vocational education and training at Bachelor's level are required.	
<b>Usability</b>	MA BWL: Fields Business Administration, Supplementary Qualifications MA WiPäd: Field 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.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

## Business Information Systems

Module number	Module name	Responsible lecturer
WW-D-301-ATIH WW-MA-301-ATIH	Aktuelle Themen der Informationssysteme in Industrie und Handel	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
<b>Qualification objectives</b>	Students are familiar with current issues relating to information systems in industry and commerce from theory and practice. They are able to prepare, present, analyse and discuss these questions using scientific or practical methods. You have in-depth practical project management skills as well as in-depth skills in the area of teamwork and (self-)organization.	
<b>Contents</b>	The contents of the module come from the topics of business application systems, IT management or modern information technologies and their operational use.	
<b>Teaching and learning methods</b>	Project: 2 hours per week Independent study The language of the module is German. The project is limited to 15 participants, selection based on the order of enrollment.	
<b>Prerequisites for participation</b>	Knowledge of the interrelationships and methods of economics, business informatics and computer science at Bachelor's level is required.	
<b>Usability</b>	MA BWL, MA WiPäd: Field Supplementary Qualifications D WiInf, D WiIng: Field Field Business Administration and Economics The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Complex assesment, 120 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-305-ATBE WW-MA-305-ATBE	Aktuelle Themen des Business Engineerings	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	In a project work, the students deal with current scientific issues of (digital) business engineering in a practical application context.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of general project management and methodological basics in the field of scientific work at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 120 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-301-ATIM WW-MA-301-ATIM	Aktuelle Themen des Informationsmanagements	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	In a project work, the students deal with current scientific issues of information management in a practical application context.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of general project management and methodological basics in the field of scientific work at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 110 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-305-CSRS WW-MA-305-CSRS	Case Study Research	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	Presentation and discussion of the phases of case study research as well as the analysis and evaluation of corresponding research articles.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Basic knowledge of scientific work at Bachelor's level; English language skills at B2 level.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assessment, 120 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-305-DDBM WW-MA-305-DDBM	Data-Driven Business Models	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	Current issues relating to data-driven business models will be addressed.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of basic concepts, methods and contexts of economics at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 120 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-305-DBEN WW-MA-305-DBEN WW-MA-PIE-DBE	Digital Business Engineering	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
<b>Qualification objectives</b>	The students are familiar with essential questions and central approaches 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.	
<b>Contents</b>	The contents of the module are essential questions, basic principles as well as selected methods and techniques of (digital) business engineering.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of business informatics at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 60 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-335-DIHE WW-MA-335-DIHE WW-MA-PIE-DIH	Digital Health	Apl. Prof. Dr. Hannes Schlieter digital-health@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	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.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Good knowledge of basic concepts, methods and contexts of economics at Bachelor's level.	
<b>Usability</b>	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.	
<b>Examination</b>	Non-public oral examination as a group examination lasting 15 minutes per student.	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	

<b>Duration</b>	One semester
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<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-301-ERPP WW-MA-301-ERPP	ERP-Planspiel	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
<b>Qualification objectives</b>	<p>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.</p>	
<b>Contents</b>	<p>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.</p>	
<b>Teaching and learning methods</b>	<p>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.</p>	
<b>Prerequisites for participation</b>	<p>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.</p>	

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

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-301-GBPS WW-MA-301-GBPS	Gestaltungsansätze der Business Processes and Systems	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
<b>Qualification objectives</b>	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.	
<b>Contents</b>	The course deals with issues that are common in the context of IT-related consulting in the fields of process management, system and prototype design, business model development and information management.	
<b>Teaching and learning methods</b>	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.	
<b>Prerequisites for participation</b>	Knowledge of the interrelationships and methods of economics, business informatics and computer science at Bachelor's level is required.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assesment, 120 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-335-HCMA WW-MA-335-HCMA	Health Care Management	Apl. Prof. Dr. Hannes Schlieter Hannes.Schlieter@tu-dresden.de
<b>Qualification objectives</b>	The students are familiar with current issues and developments in the design of management systems in the healthcare sector. They are able to prepare, represent, analyze, discuss and apply them to use cases using scientific methods.	
<b>Contents</b>	In the module, current issues of management and the design of management systems in the healthcare sector are dealt with and scientifically processed.	
<b>Teaching and learning methods</b>	Seminar: 2 hours per week Independent study The language of the module is German. The seminar is limited to 20 participants, selection based on the order of enrollment.	
<b>Prerequisites for participation</b>	Good knowledge of basic concepts, methods and contexts of economics at Bachelor's level is required.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Supplementary Qualifications The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Combined term paper, 100 hours, as group performance	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-335-PJSD WW-MA-335-PJSD	Projektseminar Software Development	Dr. Hannes Schlieter digital-health@tu-dresden.de
<b>Qualification objectives</b>	Students have a basic knowledge of the design and implementation of complex software development processes. They are familiar with various techniques and methods in the field of analysis, design, and implementation of application systems and are able to apply these appropriately in practical development projects. In addition, students have the skills to collaborate in manageable project teams and are able to structure corresponding development projects and take on tasks in the sense of project management.	
<b>Contents</b>	The module covers the design and development of an application system within the framework of a complex software development project, as well as the techniques and methods of analysis, design, and implementation of application systems and their use in a project context.	
<b>Teaching and learning methods</b>	Project: 2 hours per week Independent study The language of the project is German The project is limited to 15 participants, selection based on the order of enrollment.	
<b>Prerequisites for participation</b>	Knowledge of programming at bachelor's level is required, as taught, for example, in the Programming and Databases module. The module is aimed at students who have already completed the Programming and Databases module.	
<b>Usability</b>	MA BWL, MA WiPäd: Field Supplementary Qualifications D Wiing, D WiInf: Field Business Information Systems The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Complex assesment, 90 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	

## Supplementary Qualifications

Module number	Module name	Responsible lecturer
WW-D-551-AMDA WW-MA-551-AMDA	Advanced Methods in Data Analytics	Prof. Dr. Pascal Kerschke pascal.kerschke@tu-dresden.de
<b>Qualification objectives</b>	Students will be familiar with advanced data analysis methods, enabling them to analyze data in depth. Furthermore, they will be able to apply these methods and identify and resolve problems that arise. Furthermore, students will be strengthened in their personal development.	
<b>Contents</b>	The module covers theoretical concepts and the application of advanced data analysis methods relevant to the processing of traffic-related data. These are discussed with reference to current research.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	The skills acquired in the Methods in Data Analytics module are required.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-402-AMVS WW-MA-402-AMVS WW-MA-PIE-AMS	Applied Multivariate Statistics	Prof. Dr. Ostap Okhrin ostap.okhrin@tu-dresden.de
<b>Qualification objectives</b>	Students are familiar with the most important multivariate statistical methods such as cluster analysis, regression analysis, variance analysis, discriminant analysis, and factor analysis, and can apply them to real data. They also have key qualifications in the areas of rhetoric, presentation, and presentation techniques, and possess social skills and the ability to work in a team. The program is designed to be flexible and adaptable to the needs of the students.	
<b>Contents</b>	The module covers the application of multivariate statistical methods to specific issues in relation to current research, as well as the basics of a free programming language for statistical calculations and graphics.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of mathematics and statistics at bachelor's level is required. The following literature is suitable for preparation: Sydsæter, K.; Hammond, P.: Essential Mathematics for Economic Analysis, Financial Times Prentice Hall, Harlow, latest edition. Härdle, W., Okhrin, O., Okhrin, Y.: Basic Elements of Computational Statistics, Springer, 2017.	
<b>Usability</b>	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.	
<b>Examination</b>	Complex assessment, 75 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-401-CPTR WW-MA-401-CPTR WW-MA-PIE-CPT	Cost and Prices in Transport	Dr. Stefan Tscharaktschiew stefan.tscharaktschiew@tu-dresden.de
<b>Qualification objectives</b>	<p>Students understand the relationship between costs and prices in the transport sector and can assess the adequacy of typical regulations imposed on transport companies.</p> <p>Students are able to identify existing and future inefficiencies in various areas of the transport sector</p> <p>Students are able to identify existing and future inefficiencies in various areas of the transport sector and develop suitable solutions to eliminate them.</p> <p>Students have knowledge of welfare-optimal pricing of transport services – private transport, local public transport – as well as pricing of transport infrastructure facilities. Students have knowledge of welfare-optimal pricing of transport services – private transport, local public transport – as well as the pricing of transport infrastructure facilities.</p> <p>Based on this comprehensive knowledge, students have the ability to act in a socially responsible manner, as they are able to develop solutions for improving the overall social situation. Based on this comprehensive knowledge, students have the ability to act in a socially responsible manner by being able to identify, develop, and communicate solutions for improving the overall social situation in the transport sector.</p>	
<b>Contents</b>	<p>The module covers both analytical and quantitative methods required for the analysis of a wide range of transport economics and transport policy issues in the areas of individual road transport, local public transport, and air transport.</p> <p>This is discussed with reference to current research.</p> <p>The module covers both analytical and quantitative methods required for the analysis of a wide range of transport economics and transport policy issues in the areas of individual road transport, local public transport, and air transport. This is discussed with reference to current research.</p>	
<b>Teaching and learning methods</b>	<p>Lecture: 2 hours per week  Practical: 2 hour per week  Independent study  The language of the module is English.</p>	

<b>Prerequisites for participation</b>	Students enrolled in the diploma programs in Business Informatics and Industrial Engineering, as well as the master's programs in Business Administration, Public and International Economics, and Business Education, are expected to have bachelor's-level skills in empirical methods of transportation economics. For students in the Master's program in Transportation Economics, the skills to be acquired in the Methods in Transportation Policy module are required.
<b>Usability</b>	MA BWL: Field 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.
<b>Examination</b>	Written exam, 120 minutes
<b>Workload and Credit points</b>	150 hours, 5 credit points
<b>Frequency</b>	Offered each summer semester
<b>Duration</b>	One semester

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-401-CBAT WW-MA-401-CBAT WW-MA-PIE-CAT	Cost-Benefit Analysis in Transport	Dr. Stefan Tscharaktschiew stefan.tscharaktschiew@tu-dresden.de
<b>Qualification objectives</b>	Students are able to present the economic theory of the welfare-based assessment of transportation projects, including the multitude of cost and benefit components, and to understand these using practical examples. This enables students to systematically and theoretically analyze socio-politically relevant issues beyond the Area of transport, which strengthens their ability to make decisions and act responsibly for society as a whole.	
<b>Contents</b>	Detailed presentation of the possibilities of measuring and evaluating costs and benefits as well as the associated problems and difficulties. The module also addresses the question of how the measurement and evaluation of costs and benefits change when central framework conditions in the transport sector change. Current research results in transport economics are also part of the module, as are basic approaches to formalizing analyses.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week, Practical: 2 hours per week, Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Competencies in empirical methods of transportation economics at Bachelor's level.	
<b>Usability</b>	MA BWL: Field 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.	
<b>Examination</b>	Written exam, 120 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-401-CBIT WW-MA-401-CBIT	Cost-Benefit Evaluation of Infrastructure Projects and Traffic Law	Prof. Dr. Georg Hirte georg.hirte@tu-dresden.de
<b>Qualification objectives</b>	<p>Students are familiar with practical economic valuation methods in the planning of transport facilities. They are able to record legally relevant processes of movement of people, goods, and information/messages and classify them into the relevant legal categories based on the laws and regulations of transport law. Students possess social skills to grasp facts and appropriately enforce or defend claims, particularly in communicating with authorities, courts, clients, and third parties in the field of transport law. Students possess knowledge, skills, and abilities in the field of transport law. They are able to apply their knowledge to resolve minor legal cases in the areas of road traffic law, road traffic law, and railway transport law, and to assess the role of administrative jurisdiction.</p>	
<b>Contents</b>	<p>he module covers the evaluation methods of Federal Transport Infrastructure Planning (BVWP), in particular the standardized evaluation for public transport and the recommendation for economic feasibility studies on roads (EWS). Furthermore, important fundamentals of transport law are covered in the module.</p>	
<b>Teaching and learning methods</b>	<p>Lecture: 4 hours per week Independent study The language of the module is German.</p>	
<b>Prerequisites for participation</b>		
<b>Usability</b>	<p>MA BWL, MA WiPäd, D WiInf, D WiIng: Field Supplementary Qualifications The selection must be made in accordance with the examination regulations.</p>	
<b>Examination</b>	Written exam, 120 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-402-DMVS WW-MA-402-DMVS WW-MA-PIE-DDS	Data-Driven Multivariate Statistics	Prof. Dr. Ostap Okhrin ostap.okhrin@tu-dresden.de
<b>Qualification objectives</b>	Students will gain an in-depth understanding of data analysis, particularly of unstructured data and how to handle data sets with missing data. They will acquire strong skills in using statistical software and thus media literacy.	
<b>Contents</b>	The module covers non-trivial regressions, in particular with correlated residuals, non-diagonal covariance matrices, and kernel regressions, Bayesian regressions, classification methods, in particular logistic regressions, support vector machines, decision trees, random forests, boosting and bagging, missing data analysis, including missing at random and EM algorithms, as well as neural networks including deep learning.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of mathematics and statistics at bachelor's level is required. The following literature is suitable for preparation: Sydsæter, K.; Hammond, P.: Essential Mathematics for Economic Analysis, Financial Times Prentice Hall, Harlow, latest edition. Härdle, W., Okhrin, O., Okhrin, Y.: Basic Elements of Computational Statistics, Springer, 2017.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 120 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-MA-401-ERSE WW-D-401-ERSE WW-MA-PIE-ERS	Empirical Research in Spatial and Environmental Economics	Prof. Dr. Georg Hirte georg.hirte@tu-dresden.de
<b>Qualification objectives</b>	Students have advanced knowledge of the methods of empirical regional and environmental economic research and are able to apply them. The students have key qualifications in the areas of rhetoric, presentation and presentation techniques as well as social skills and the ability to work in a team. Furthermore, students are strengthened in their personality.	
<b>Contents</b>	Contents of the module are the basics of regression analysis as well as the presentation of methods of spatial economics specifically used in regional research of spatial economics. Using software and concrete regional and specific regional data, individual questions are analyzed using various methods with reference to current research.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Students acquire skills in the microeconomic fundamentals of spatial economics and the new economic geography Economic Geography and basic knowledge of statistics at Bachelor's level are required. For preparation, see for example: Heumann, C., Schomaker Shalab, M.: Introduction to Statistics and Data Analysis, Springer, 2016.	
<b>Usability</b>	MA BWL: Field 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.	
<b>Examination</b>	Term paper, 75 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each summer semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-403-MTOR WW-MA-403-MTOR	Methoden des Operations Research	Prof. Dr. Jörn Schönberger joern.schoenberger@tu-dresden.de
<b>Qualification objectives</b>	Students will be familiar with a variety of methods and models that can be used to solve diverse optimization problems. Furthermore, students will be able to use optimization software to solve complex problems.	
<b>Contents</b>	The module covers the design and planning of transportation networks, transport planning and shipment design, basic models for vehicle deployment planning, integrated planning of self-provision and outsourcing, and the design of freight rates.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of analysis and linear algebra at the bachelor's level is required.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Methods and Procedures The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Written exam, 120 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-551-MDAN WW-MA-551-MDAN	Methods in Data Analytics	Prof. Dr. Pascal Kerschke pascal.kerschke@tu-dresden.de
<b>Qualification objectives</b>	Students will be familiar with basic data analysis methods. Furthermore, they will be able to apply these methods and identify and resolve any problems that may arise.	
<b>Contents</b>	The module covers theoretical concepts and the application of basic data analysis methods relevant to working with traffic-related data.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>	Basic knowledge of statistics and data analytics at the bachelor's level is required. The following literature is suitable for preparation: Heumann, C., Schomaker Shalab, M.: Introduction to Statistics and Data Analysis, Springer, 2016.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-401-SPEE WW-MA-401-SPEE	Spatial Economics and the Environment	Prof. Dr. Georg Hirte georg.hirte@tu-dresden.de
<b>Qualification objectives</b>	Students gain a sound understanding of the microeconomic structure of spatial economic models, including mobility and external effects, as well as the key models of new economic geography. They acquire the ability to analyze key regional, transport, and environmental economic issues theoretically and numerically within the framework of these approaches. This enables students to assess socially relevant problems in a spatial-economic context and to make decisions and act responsibly for society as a whole. Students have key qualifications in the areas of rhetoric, presentation and presentation techniques, as well as social skills and the ability to work in a team. Furthermore, students' personalities are strengthened. They have basic skills in using mathematical modeling software.	
<b>Contents</b>	The module provides an introduction to the microeconomic fundamentals of spatial economics with reference to the topics of transport, the environment, and agglomeration. Among other things, it covers the modeling of commuting and location decisions as well as external effects. Taking into account the approach of new economic geography, policy options with a spatial reference are discussed. The modeling of complex interregional relationships is carried out within the framework of general equilibrium models using a software-based algebraic modeling language for mathematical optimization. The content is based on current regional economic research findings.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hour per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of microeconomics and statistics at bachelor's level is required. The following literature is recommended for preparation: Varian, Hal R.: Intermediate Microeconomics: A Modern Approach, Norton, New York, latest edition.	
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Supplementary Qualifications The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Complex assesment, 75 hours	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-402-THMS WW-MA-402-THMS WW-MA-PIE-TMS	Theoretical Multivariate Statistics	Prof. Dr. Ostap Okhrin ostap.okhrin@tu-dresden.de
<b>Qualification objectives</b>	Students can apply frequently used methods in practice and describe multivariate data. Students are familiar with and understand the following topics and methods: matrix algebra, regression analysis, simple variance analysis, general and specific multivariate distributions, copulas, theory of multivariate normal distribution, estimation theory, and hypothesis testing. Furthermore, students master mathematical and statistical fundamentals and are able to understand other statistical methods, such as cluster analysis and principal component analysis.	
<b>Contents</b>	The module covers mathematical and statistical fundamentals, methods of theoretical multivariate statistics and their analysis methods such as matrix algebra, regression analysis, simple variance analysis, general and specific multivariate distributions, copulas, theory of multivariate normal distribution, estimation theory and hypothesis testing, as well as cluster analysis and principal component analysis.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Practical: 2 hours per week Independent study The language of the module is English.	
<b>Prerequisites for participation</b>	Knowledge of mathematics and statistics at bachelor's level is required. The following literature is suitable for preparation: Sydsaeter, K.; Hammond, P.: Essential Mathematics for Economic Analysis, Financial Times Prentice Hall, Harlow, latest edition. Härdle, W., Okhrin, O., Okhrin, Y.: Basic Elements of Computational Statistics, Springer, 2017.	
<b>Usability</b>	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.	
<b>Examination</b>	Written exam, 120 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	

<b>Frequency</b>	Offered each winter semester
<b>Duration</b>	One semester

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-D-405-TREC WW-MA-405-TREC	Transport Ecology	Prof. Udo J. Becker udo.becker@tu-dresden.de
<b>Qualification objectives</b>	Students can describe the impacts of transport on the environment and identify and classify dynamic effects and interactions. They are able to calculate fuel consumption and CO2 emissions for transport modes and determine noise assessment levels for transport modes. Students can present and evaluate arguments, concepts, and dependencies in the context of internalizing external effects. They can derive appropriate definitions for transport-ecological issues.	
<b>Contents</b>	The module focuses on energy and fuel consumption in transport, air pollution, exhaust emissions, noise emissions, greenhouse gas emissions from transport, environmental assessments, life cycle assessments, and externalities.	
<b>Teaching and learning methods</b>	Lecture: 2 hours per week Seminar: 2 hours per week Independent study The language of the module is German.	
<b>Prerequisites for participation</b>		
<b>Usability</b>	MA BWL, MA WiPäd, D WiInf, D WiIng: Field Supplementary Qualifications The selection must be made in accordance with the examination regulations.	
<b>Examination</b>	Written exam, 90 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-MA-401-UBEC WW-D-401-UBEC WW-MA-PIE-UEC	Urban Economics	Prof. Dr. Georg Hirte georg.hirte@tu-dresden.de
<b>Qualification objectives</b>	<p>Students have a sound understanding of the key approaches and issues in urban economics. They have the ability to numerically examine and analyze urban economic issues within the framework of these approaches. Students have key qualifications in the areas of rhetoric, presentation, and presentation techniques, as well as social skills and teamwork. The knowledge acquired promotes students' ability to act in a socially responsible manner by enabling them to classify possible urban economic measures on a scientific basis and evaluate their potential contribution to improving the overall social situation. Furthermore, students' personalities are strengthened. The program is designed to promote the development of students' personalities.</p>	
<b>Contents</b>	<p>The module covers the theoretical foundations of urban economics and the analysis of the effects of policy measures in the urban environment. The focus is on housing construction and land use regulation, transport in urban areas, agglomeration effects, external caused by emissions, environmental effects, and urban economic issues in the context of developing countries. These socially relevant issues are addressed in a scientific context with reference to research.</p>	
<b>Teaching and learning methods</b>	<p>Lecture: 2 hours per week Practical: 2 hour per week Independent study The language of the module is German.</p>	
<b>Prerequisites for participation</b>	<p>Competencies in microeconomic fundamentals of spatial economics and the New Economic Geography.</p>	
<b>Usability</b>	<p>MA BWL, 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.</p>	
<b>Examination</b>	<p>Term paper, 75 hours</p>	

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

## Foreign Languages

Module number	Module name	Responsible lecturer
WW-MA-PIE-GLSB2	German Language Skills Basics	Ute Meyer ute.meyer@tu-dresden.de
<b>Qualification objectives</b>	Students have a basic communicative competence in German at level A2 of the Common European Framework of Reference for Languages. They can grasp slowly and clearly articulated concrete information on everyday topics. They understand simple and short texts relating to regular and professional experience in a readable manner in terms of syntax, semantics, lexical and morphology, if the vocabulary is limited to frequently occurring and internationally understandable words. Moreover, they are able to follow short, simple conversations and straightforward presentations to a large extent, react appropriately if the topic is familiar, and describe their environment orally and in writing using simple phrases and sentences.	
<b>Contents</b>	Simple texts on everyday situations and specific topics, especially in a university environment, simple presentations and original documents, e.g., announcements, interviews, short audio and video sequences, relevant reading and listening strategies, simple grammatical structures and appropriate vocabulary and various forms of work with different media.	
<b>Teaching and learning methods</b>	Language course: 4 hours per week Independent study	
<b>Prerequisites for participation</b>	German language skills at level A1 of the Common European Framework of Reference for Languages.	
<b>Usability</b>		
<b>Examination</b>	Language test, 105 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each winter semester	
<b>Duration</b>	One semester	

<b>Module number</b>	<b>Module name</b>	<b>Responsible lecturer</b>
WW-MA-PIE-GLSB1	German Language Skills Beginners	Ute Meyer ute.meyer@tu-dresden.de
<b>Qualification objectives</b>	Students have elementary language skills in German at level A1 of the Common European Framework of Reference for Languages. Students can slowly and clearly articulate concrete information on familiar everyday topics, understand simple and short texts in terms of syntax, semantics, lexis and morphology by reading with a focus on keywords, infer the meaning of unknown concrete terms from the context, use simple expressions to talk about their environment and respond appropriately to simple questions.	
<b>Contents</b>	Very simple texts and listening texts on everyday situations, especially in a university environment, elementary oral and written text production and interaction, relevant reading and listening strategies, simple grammatical structures and appropriate vocabulary and various forms of work, also with different media.	
<b>Teaching and learning methods</b>	Language course: 4 hours per week Independent study	
<b>Prerequisites for participation</b>	None	
<b>Usability</b>		
<b>Examination</b>	Language test, 105 minutes	
<b>Workload and Credit points</b>	150 hours, 5 credit points	
<b>Frequency</b>	Offered each semester	
<b>Duration</b>	One semester	