Faculty of Business and Economics

Modules regularly taught in English

Masters's Level

As of Summer Semester 2025

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Business Administration

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

	Module name	Responsible lecturer	
	Advanced International Financial Reporting	Prof. Dr. Michael Dobler wus@mailbox.tu-dresden.de	
Qualification objectives Students have in-depth speci reporting. In particular, they of Financial Reporting Standard and application problems and problem-oriented manner as in an international context. T normative concepts and are t English.		pecialist knowledge of international financial ey can present and explain the International ards (IFRS) including specific development and are able to apply this knowledge in a r as a preparer and user of financial reports t. They can differentiate between the various are familiar with the academic language	
Contents	Economic, institutional and legal principles of international accounting as well as selected accounting problems of individual company, group and industry-specific accounting in an international context, primarily in accordance with IFRS.		
Teaching and learning methods	Lecture: 2 hours per week, self-study		
Prerequisites for participation	Basic knowledge of accounting and annual financial statements as well as accounting in accordance with IFRS at Bachelor level. The following literature is suitable for preparation: Weygandt, J.J.; Kimmel, P.D.; Kieso, D.E.: Financial Accounting: IFRS. John Wiley and Sons, latest edition.		
Usability	MA BWL: Area BWL MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations.		
Examination	For more than three registered students, the module examination consists of a written examination lasting 60 minutes. For up to three registered students, it consists of a non-public oral examination lasting 20 minutes as an individual examination; if necessary, this will be announced to the registered students in text form at the end of the registration period.		
Workload and Credit points	Workload and Credit 5 credit points, 150 hours points		
Frequency	Offered each winter semester		
Duration	One semester		

	Module name	Responsible lecturer	
	Current Topics in Business Education*	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu- dresden.de	
Qualification objectives	The students present, analyze and discuss current issues in business education from theory and practice using scientific methods.		
Contents	Current issues in business education from theory and practice.		
Teaching and learning methods	Seminar: 2 hours per week, self-study Participation is limited to 30 participants; selection will be based on the order of enrollment.		
Prerequisites for participation	Basic knowledge of educational psychology, business didactics and commercial education at the bachelor's level.		
Usability	MA BWL: Areas of Business Adm Qualifications MA WiPäd: Areas of Business Ed D Wilnf, D Wilng: Areas of Econo The selection is to be made in ac examination regulations. Selection specified areas.	Areas of Business Administration, Supplementary ons I: Areas of Business Education, Economics Wilng: Areas of Economics, Supplementary Qualifications tion is to be made in accordance with the respective on regulations. Selection is only permitted for one of the areas.	
Examination	Complex assessment, 90 hours		
Workload and Credit points	5 credit points, 150 hours		
Frequency	Offered each winter semester		
Duration	One semester		

	Module name	Responsible lecturer
	Applied Technologies in Logistics	Prof. Dr. Rainer Lasch logistik@mailbox.tu-dresden.de
Qualification objectives Students have a sound knowledge of scientific work and hav insight into current research issues and project-specific problems.		ge of scientific work and have an ues and project-specific problems in
Contents	Current topics from the Areas of logistics, procurement and supply chain management.	
Teaching and learning methods	Seminar: 3 hours per week, self-study Participation is limited to a maximum of 12 participants; selection by lottery.	
Prerequisites for participation	Basic knowledge of scientific and practical work.	
Usability MA BWL: Area of Business Adr MA WiPäd, D WiInf, D WiIng: Au It must be chosen in accordan		nistration a of Economics with the examination regulations.
Examination	Complex assessment, 120 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Frequency Offered each semester	
Duration One semester		

	Module name	Responsible lecturer
	Electricity Industry*	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
Qualification objectives	Students can reproduce basic terms, definitions, concepts, and methods of the electricity industry and identify relevant key performance indicators. Students are able to explain market relationships (e.g., the merit order concept), present electricity trading and related problems and concepts, and apply them to anticipated questions. Students are able to answer quantitative problems in a group setting using modeling. Students are able to mathematically develop and implement basic optimization models from the field of operations research.	
Contents On the one hand, the European liberalization process in the erindustry and the associated basic theoretical concepts of a competitively organized market, pricing mechanisms and invedecisions in liberalized electricity markets, the various markets the electricity industry (e.g., intra-day electricity market, emissic certificate market), and market power in the electricity sector a covered. Furthermore, the regulatory framework and the regulatory grids are part of the module. On the other hand, the covers the fundamentals of modeling in the energy industry, w particularly incorporated into project work.		liberalization process in the energy c theoretical concepts of a pricing mechanisms and investment markets, the various markets within h-day electricity market, emissions ower in the electricity sector are atory framework and the regulation of hodule. On the other hand, the module eling in the energy industry, which are oject work.
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, seminar: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of the energy industry at bachelor's level.	
Usability	Jsability MA BWL: Areas of Business Administration, Supplementary Qualifications MA WiPäd, D Wilnf, D Wilng: Areas of Economics, Supplementary Qualifications MA PIE: Elective Module The module must be selected in accordance with the examinatio regulations. Selection is only permitted for one of the specified a	
Examination	Portfolio, 90 hours	
Workload and Credit points	10 credit points, 300 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Inventory Management	Prof. Dr. Udo Buscher udo.buscher@tu-dresden.de
Qualification objectives	Students know the tasks and functions that must be fulfilled in the context of industrial inventory management and are able to make design recommendations for the most efficient control of the flow of goods, taking into account the production and transfer processes. They will be able to apply various inventory policies and optimally determine the decision variables.	
Contents	Deterministic and stochastic order quantity models, safety stock planning, periodic inventory management, integrated transportation and lot size planning and dynamic order quantity planning.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of business production theory and logistics at Bachelor's level; English language skills at B2 level.	
Usability	MA BWL: Area of Business Administration MA WiPäd, D Wilnf, D Wilng: Area of Economics It must be chosen in accordance with the examination regulations,	
Examination For more than three registered students, the module of consists of a written examination, 90 minutes. For up a registered students, it consists of a non-public oral examinutes, as an individual examination; if necessary, the announced to the registered students in text form at the registration period.		students, the module examination n, 90 minutes. For up to three f a non-public oral examination, 20 nation; if necessary, this will be dents in text form at the end of the
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Management and Organization Theory	Prof. Dr. Stefan Razinskas orga.wiwi@tu-dresden.de
Qualification objectives	Students know and understand the central theories of modern organization 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 develop organizational and management theories in teams using the basic principles they have learned and present and explain them in an understandable way.	
Contents	Relevant theories from selected areas of management, such as organizational, personnel and innovation management as well as corporate management.	
Teaching and learning methods	Lecture: 1 hour per week, seminar: 2 hours per week, self-study Participation is limited to 30 participants; selection based on the order of enrollment.	
Prerequisites for participationBasic knowledge of business administration, in particul and personnel management at Bachelor's level: English at B2 level.		ninistration, in particular organization Bachelor's level: English language skills
Usability	MA BWL: Area of Business Administration MA WiPäd, D WiInf, D WiIng: Area of Economics It must be chosen in accordance with the respective examination regulations.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	Workload and Credit 5 credit points, 150 hours points	
Frequency Offered each summer semester		
Duration	One semester	

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

	Module name	Responsible lecturer
	Marketing Literature Review	Prof. Dr. Florian Ulrich Siems florian.siems@tu-dresden.de
Qualification objectives	Students are able to understand articles from English-language specialist journals in the field of marketing research and to reproduce and critically discuss their content in English.	
Contents	Presentations of selected topics of market research in the literature.	
Teaching and learning methodsSeminar: 2 hours per week, self-study Participation is limited to 15 participan		study ticipants; selection by lottery.
Prerequisites for participation	Knowledge of marketing at Bachelor's level and the skills to be acquired in the market research module.	
Usability	MA BWL: Area of Business Administration MA WiPäd, D Wilnf, D Wilng: Area of Economics It must be chosen in accordance with the examination regulations.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	redit 5 credit points, 150 hours	
Frequency	quency Offered each semester	
Duration	One semester	

	Module name	Responsible lecturer
	Multidisciplinary Perspectives of Sustainability	JunProf. Dr. Samanthi Dijkstra-Silva Sustainability@tu-dresden.de
Qualification objectives	Students are familiar with current issues in sustainability management and the resource nexus. They are able to prepare, present, analyze and discuss these issues using scientific methods.	
Contents	Consideration and application of tools and strategies that could contribute to achieving the United Nations Sustainable Development Goals (SDGs).	
Teaching and learning methodsSeminar: 2 hours per week, self-study Participation is limited to 20 participants; selection based on t of enrollment.		study cicipants; selection based on the order
Prerequisites for participation	Knowledge of marketing and sustainable business management at Bachelor's level; English language skills at B2+ level.	
Usability MA BWL: Area of Business Administration MA WiPäd, D Wilnf, D Wilng: Area of Econor It must be chosen in accordance with the e		nistration a of Economics with the examination regulations.
Examination	Term paper, 90 hours	
Workload and Credit5 credit points, 150 hourspoints		
Frequency Offered each semester		
Duration One semester		

	Module name	Responsible lecturer
	Multimedia Learning*	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu- dresden.de
Qualification objectives	The students know and understand what is meant by multimedia, know and understand the psychological foundations of multimedia learning, the cognitive theory of multimedia learning and the principles of multimedia design, and analyze existing multimedia materials and apply the design principles to materials they create themselves.	
Contents	Central terms related to multimedia learning, learning psychological principles of multimedia learning, theories of multimedia learning as well as theory and practice of the development and analysis of multimedia teaching and learning materials.	
Teaching and learning methods	Seminar: 2 hours per week, project: 1 hour per week, self-study Participation is limited to 30 participants; selection will be based on the order of enrollment.	
Prerequisites for participation	Classical learning theories at bachelor level.	
Usability	MA WiPäd: Field of Study I, Compulsory Module MA BWL: Areas of Business Administration, Supplementary Qualifications MA WiPäd: Field of Study II, Compulsory Elective Module, Area of Economics D Wilnf, D Wilng: Areas of Economics, Supplementary Qualifications The selection must be made in accordance with the respective examination regulations. Selection is only permitted for one of the listed fields.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	New Theories of Teaching and Learning*	Prof. Dr. Bärbel Fürstenau sekretariat.wipaed@mailbox.tu- dresden.de
Qualification objectives	The students know, understand and reflect on newer theories, models and approaches to teaching and learning as well as current findings from related subject areas and research strands and apply the findings to the design and analysis of practical examples or teaching- learning processes for the corporate and school context.	
Contents	Recent theories, models, and approaches to learning and teaching that are relevant to both the corporate and school context; insights from related subject areas and research strands are taken into account.	
Teaching and learning methods	Seminar: 2 hours per week, self-study Participation is limited to 30 participants; selection will be based on the order of enrollment.	
Prerequisites for participation	Knowledge of classical learning theories as well as didactic approaches and models for the preparation, implementation and follow-up of lessons or training courses at Bachelor level.	
Usability	MA WiPäd: Compulsory Module MA BWL, D WiInf, D WiIng: Area of Supplementary Qualifications This must be selected in accordance with the examination regulations.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

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

	Module name	Responsible lecturer
	Resource Management	Prof. Dr. Remmer Sassen Lehre_bu@mailbox.tu-dresden.de
Qualification objectives	Students are able to identify and independently analyze entrepreneurial resources, especially in relation to the natural environment. In addition, students are able to solve problems independently in groups and present their proposed solutions in written form.	
Contents	Consideration, evaluation and integration of environmental resources, identification of instruments for ecology-oriented evaluation and decision-making in the company, examination of the use of ecology- oriented corporate strategies to increase corporate value and of environmental management systems for adequate resource management.	
Teaching and learning methods	Lecture: 2 hours per week, tutorial: 2 hours per week, self-study Participation is limited to 60 participants; selection is based on the order of enrollment.	
Prerequisites for participation	Knowledge of accounting, financial statements, investment and financing, marketing, and sustainable business management at bachelor's level; English language skills at level B2+.	
Usability	MA BWL: Area of Business Administration MA WiPäd, D Wilnf, D Wilng: Area of Economics The course must be selected in accordance with the examination regulations.	
Examination	Term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Resource Economics and Environmental Policy*	Prof. Dr. Dominik Möst ee2@mailbox.tu-dresden.de
Qualification objectives	Students can reproduce basic environmental policy and resource economics terms, definitions, concepts, and methods and identify relevant key performance indicators. Students are able to demonstrate the relationships between resource economics, environmental policy, and energy economics, as well as related problems and concepts, and apply them to expected research questions. Students are able to solve quantitative problems in a group using modeling and to mathematically formulate and implement basic optimization models and/or complementarity problems. Students are able to evaluate and summarize scientific literature in the context of the module.	
Contents	Basic definitions and theories of resource and environmental economics, resource cycles, the fundamentals of operational research in resource and environmental economics, the economic theory of dealing with exhaustible and renewable resources, critical raw materials, the interaction of economic growth and environmental protection, distribution of raw materials, external effects, environmental policy instruments and climate protection.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, project: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of the energy industry, the electricity industry and risk management at bachelor's level.	
Usability	MA BWL: Areas of Business Adm Qualifications MA WiPäd, D Wilnf, D Wilng: Area Qualifications Choices must be made in accord regulations. Selection is only per	inistration, Supplementary as of Economics, Supplementary ance with the examination mitted for one of the specified areas.
Examination	Portfolio, 150 hours	
Workload and Credit points	10 credit points, 300 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Scheduling	JunProf. Dr. Tristan Becker tristan.becker@tu-dresden.de
Qualification objectives	Students have knowledge of scheduling theory and are able to classify scheduling problems. They are familiar with the theory and application of exact and heuristic solution methods to scheduling problems and can select and apply suitable solution methods for specific scheduling problems. They are familiar with scheduling problems in the application areas of logistics, supply chain, healthcare, and human resource planning.	
Contents	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 problem areas of scheduling.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of operations research at bachelor level.	
Usability	MA BWL: Areas of Business Administration, Methods, and Procedures MA WiPäd, D Wilnf, D Wilng: Areas of Economics, Methods, and Procedures The selection is to be made in accordance with the respective examination regulations. Selection is only permitted for one of the specified areas.	
Examination	Written exam, 60 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

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

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

	Module name	Responsible lecturer
	Strategic Sustainability Management	Dr. Remmer Sassen lehre_bu@mailbox.tu-dresden.de
Qualification objectives	Students will have a fundamental understanding of strategic sustainability management. They understand the roles and responsibilities of sustainable and strategic leadership and can apply strategic management tools to sustainability issues.	
Contents	Determinants of strategic sustainability management, roles and responsibilities of sustainable and strategic leadership as well as instruments of strategic corporate management and problems of sustainability.	
Teaching and learning methods	Lecture: 1 hour per week, tutorial: 1 hour per week, self-study	
Prerequisites for participation	Knowledge of accounting, annual financial statements, investment and financing, as well as marketing and sustainable corporate management at the bachelor's level. The following literature is suitable for preparation: Hahn, R: Sustainability Management. Block Services, latest edition.	
Usability	MA BWL: Area of Business Administration MA WiPäd, D WiInf, D WiIng: Area of Economics MA PIE: Elective Module This must be selected in accordance with the examination regulations.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Study Projects in Sustainability Management*	Prof. Dr. Remmer Sassen lehre_bu@mailbox.tu-dresden.de
Qualification objectives	Students are able to independently answer complex questions in sustainable corporate management, risk management, and resource economics both scientifically and to develop and apply their own practice-oriented concepts for integrating ecological, economic, and social aspects into decision-making. In addition, students can solve problems independently in groups and present their proposed solutions in writing.	
Contents	Working on a practical sustainability management problem with a practical partner. Please inquire whether this will be in German or English.	
Teaching and learning methods	Seminar: 4 hour per week, self-study Participation is limited to 30 participants; selection is based on the order of enrollment.	
Prerequisites for participation	Bachelor's degree in business administration and organization, as well as marketing and sustainable management; English language skills at B2+ level.	
Usability	MA BWL: Area of Business Administration MA WiPäd, D Wilnf, D Wilng: Area of Economics The course must be selected in accordance with the examination regulations.	
Examination	Term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each semester	
Duration	One semester	

	Module name	Responsible lecturer
	Technology Management	Prof. Dr. Michael Schefczyk mandy.windisch@tu-dresden.de
Qualification objectives	Students will have a solid understanding of the fundamentals and possible applications of technology management. They can apply this knowledge to practical issues, appropriately and independently, in a situation-specific manner. Furthermore, they will be 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, develop targeted solutions, and implement them within the framework of the course.	
Contents	Fundamentals of technology management, intellectual property rights and market transactions, as well as the internationalization of technologies. Additional areas of focus may include technology forecasting and evaluation, technology procurement, utilization, and licensing.	
Teaching and learning methods	Project: 2 hours per week, self-study	
Prerequisites for participation	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.	
Usability	MA BWL: Area of Business Administration MA WiPäd, D WiInf, D WiIng: Area of Economics MA PIE: Elective Module This must be selected in accordance with the examination regulations.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Topics in Empirical Finance	Prof. Dr. Lars Hornuf arite.schrehardt@tu-dresden.de
Qualification objectives	Students can develop their own research designs and plan them through to implementation.	
Contents	Students explore a current research focus in the fields of finance and financial services, which changes annually. They are able to critically evaluate the theoretical foundations, empirical results, and methods used in the literature.	
Teaching and learning methods	Seminar: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of financial statements, investment and finance at bachelor's level.	
Usability	MA BWL: Areas of Business Administration, Presentations, and Discussions MA WiPäd: Area of Economics D Wilnf, D Wilng: Areas of Economics, Presentations, and Discussions MA PIE: Elective Module The module must be selected in accordance with the respective examination regulations. Selection is only permitted for one of the listed areas.	
Examination	Combined term paper, 40 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Value-based Management	Prof. Dr. Peter Schäfer peter.schaefer@tu-dresden.de
Qualification objectives	Students will be able to describe the challenges of incentive and performance measurement systems and compare shareholder- oriented approaches with stakeholder-oriented approaches. They will be able to weigh the objectives 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 key performance indicators. Furthermore, students will be able to apply value-based management systems. They will understand the concepts of value creation and residual profit and will be able to develop a residual profit-oriented management system.	
Contents	Incentive and key performance indicator systems, remuneration systems, value creation and residual profit.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, self-study	
Prerequisites for participation	Basic knowledge of external accounting, cost accounting and investment accounting at bachelor level.	
Usability	MA BWL: Area of Business Administration MA WiPäd, D WiInf, D WiIng: Area of Economics The course must be selected in accordance with the examination regulations.	
Examination	Written exam, 120 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

Economics

	Module name	Responsible lecturer
	Advanced Topics in Applied Econometrics	Prof. Dr. Kamila Cygan-Rehm kamila.cygan-rehm@tu-dresden.de
Qualification objectives	Students are introduced to modern econometric methods and learn solutions to typical challenges of data analysis in an economic policy and scientific context. They are able to analyze specific questions, propose suitable analysis methods, deal critically with the central assumptions and assess the quality of empirical studies. In addition to conceptual content, data skills are taught with the help of statistical software, thus promoting students' programming skills.	
Contents	Selected advanced methods of applied econometrics, in particular causal analysis (matching, shift-share instrumental variables, robust difference-in-differences, etc.). The relevant methods are illustrated using illustrative examples from current research on economic policy issues.	
Teaching and learning methods	Lecture: 2 hours per week, self-study Participation is limited to 20 participants; selection by lottery.	
Prerequisites for participation	Basic knowledge of econometrics at Master's level, as taught in the modules Empirical Economics and Microeconometrics; knowledge of English at level B2.	
Usability	MA BWL: Areas of Supplementary Qualifications, Methods and Procedures MA WiPäd, D Wilnf, D Wilng: Areas of Economics, Methods and Procedures MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations. The choice is only permitted for one of the areas mentioned.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Computable General Equilibrium Analysis	Prof. Dr. Artem Korzhenevych artem.korzhenevych@tu-dresden.de
Qualification objectives	Students are familiar with the method of applied equilibrium modeling and understand its microeconomic and macroeconomic principles. They can create simple models using 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 national accounts data. Students can analyze different policy measures with the help of CGE models. They are familiar with the scientific language English.	
Contents	Theoretical foundations, data requirements, and application of the method of applied equilibrium modeling.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, self-study Participation is limited to 40 participants; selection based on the order of enrollment.	
Prerequisites for participation	English language skills at CEFR B2 level and knowledge of micro- and macroeconomics at Bachelor's level.	
Usability	MA BWL, MA WiPäd, D WiInf, D WiIng: Area of Methods and Procedures	
Examination	Complex assessment 75 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Cost-Benefit Analysis in Transport	Dr. Stefan Tscharaktschiew stefan.tscharaktschiew@tu- dresden.de
Qualification objectives	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.	
Contents	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.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, self-study	
Prerequisites for participation		
Usability	MA BWL: Areas of Business Adm Qualifications MA WiPäd, D WiInf, D Wilng: Area Qualifications MA PIE: Compulsory elective mo It must be chosen in accordance choice is only permitted for one	inistration, Supplementary as of Economics, Supplementary dule with the examination regulations. The of the areas mentioned.
Examination	Written exam, 120 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Current Topics in Empirical Economic Research	JunProf. Dr. Valentin Lindlacher valentin.lindlacher@tu-dresden.de
Qualification objectives	Students are able to analyze quantitative, research-oriented literature in economics and to identify and evaluate relevant problems and research questions in empirical economic research and to classify them in broader contexts.	
Contents	Current issues in empirical economic research and basic methods of application-oriented research.	
Teaching and learning methods	Seminar: 2 hours per week, self-study Participation is limited to 25 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Areas of Supplementary Qualifications, Presenting and Discussing D Wilnf, D Wilng: Areas of Economics, Presenting and Discussing MA WiPäd: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the respective examination regulations. The choice is only permitted for one of the areas mentioned.	
Examination	Complex assessment, 25 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Current Topics in Public Economics	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	Students are familiar with applied problems in the Area of finance and the relevant literature in English. They are able to prepare, analyze and evaluate current topics in finance using scientific methods. They master the methods of scientific work and are able to present and discuss their results.	
Contents	Theoretical and empirical economic policy research contributions of a fundamental and application-oriented nature on current applied problems in finance.	
Teaching and learning methods	Seminar: 2 hours per week, self-study Participation is limited to 20 participants; selection by lottery.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Areas of Supplementary Qualifications, Presenting and Discussing D Wilnf, D Wilng: Areas of Economics, Presenting and Discussing MA WiPäd: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the respective examination regulations. The choice is only permitted for one of the areas mentioned.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Development Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are familiar with relevant models of modern growth theory and models of comparative development research. With the help of these models, they are able to explain the causes of intra- and international income differences. In addition, they will be able to analyze and interpret the effects of population changes, fertility and migration.	
Contents	Traditional and alternative explanations for growth and development, inequality, population growth and migration as determinants of development.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 1 hour per week, self-study	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Area of Additional Qualifications MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Economics of Migration	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
Qualification objectives	Students are familiar with the economic causes and consequences of the cross-border mobility of individuals and households. They are able to analyze and evaluate economic aspects of the migration debate and can communicate their specialist knowledge in English.	
Contents	Individual economic incentives for migration, global and national effects of migration, migration and the welfare state, illegal immigration and issues of international policy coordination.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 1hour per week, self-study	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Area of Additional Qualifications MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the respective examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Economics of the Welfare State	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	Students understand how social security systems work and their dependence on economic and demographic developments. They are able to competently discuss and evaluate reform proposals.	
Contents	The functioning 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 and old-age and income security. The focus is on central model approaches, particularly in the Area of insurance economics.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 1 hour per week, self-study	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Area of Supplementary Qualifications MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Empirical Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are familiar with the application of modern empirical methods in economics. They are able to apply these independently.	
Contents	Fundamentals and methods of empirical economic research and the use of statistical software. Based on regression models, methods that allow causal interpretations are further contents of the module.	
Teaching and learning methods	Lecture: 2 hours per week, tutorial: 1,5 hours per week, self-study	
Prerequisites for participation	Knowledge of mathematics, especially analysis, stochastics and inferential statistics at A-level, basic course.	
Usability	MA BWL, MA WiPäd, D WiInf, D WiIng: Area of Methods and Procedures It must be selected in accordance with the examination regulations. The module creates the prerequisites for the module Advanced Topics in Applied Econometrics.	
Examination	Complex assessment, 25 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Empirical Labor Economics	Dr. Andreas Leibing andreas.leibing@tu-dresden.de
Qualification objectives	Students will be able to discuss and assess the use and suitability of various microeconometric methods in the Area of applied microeconomics, primarily labor market economics. Using current research papers, students learn about common quantitative methods as well as the state of research in empirical labor market economics.	
Contents	Labor supply and demand, in particular education, trade and the role of firms, as well as panel data analysis, in particular instrumental variables, difference-in-differences estimators and regression discontinuity analysis.	
Teaching and learning methods	Lecture: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of econometrics from the compulsory courses Empirical Economics and Microeconometrics, in particular on panel data analysis; knowledge of English at level B2.	
Usability	MA BWL: Areas of Supplementary Qualifications, Presenting and Discussing D Wilnf, D Wilng: Areas of Economics, Presentation and Discussion, Supplementary Qualifications MA WiPäd: Areas of Economics, Supplementary Qualifications MA PIE: Compulsory elective module It must be chosen in accordance with the respective examination regulations. The choice is only permitted for one of the areas mentioned.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Empirical Research Task	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are able to comprehensively work on an economic, empirical research question. They can confidently use statistical software such as R or Stata, formulate theory-based hypotheses, formulate an empirical model, test the model econometrically and communicate and critically scrutinize the results.	
Contents	Theory-based hypothesis formation, data processing methods and the creation and estimation of econometric models.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 1 hour per week, project: 1 hour per week, self-study Participation is limited to 20 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Areas of Supplementary Qualifications, Presenting and Discussing D Wilnf, D Wilng: Areas of Economics, Presenting and Discussing MA WiPäd: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the respective examination regulations. The choice is only permitted for one of the areas mentioned.	
Examination	Complex assessment, 50 hours	
Workload and Credit points	10 credit points, 300 hours	
Frequency	Offered each summer semester	
Duration	One semester	

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

	Module name	Responsible lecturer
	Financial Stability and Regulation of Financial Markets	Prof. Dr. Thilo Liebig yvonne.bludau@tu-dresden.de
Qualification objectives	Students are familiar with the problem of systemic risk and its impact on financial market stability. They understand the main tasks, institutions and instruments of banking, insurance, securities and macroprudential supervision at national and international level. They are able to analyze the causes and effects of financial crises in a well- founded manner and discuss suitable regulatory mechanisms.	
Contents	Fundamentals of financial stability in micro- and macroprudential dimensions. This includes various indicators for measuring financial stability and models for explaining financial crises and their effects.	
Teaching and learning methods	Lecture: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Area of Supplementary Qualifications MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Interdisciplinary Seminar on Health Economics	Prof. Dr. Bernhard Schipp econometrics@tu-dresden.de
Qualification objectives	Students are able to work on selected health economic research questions. They can critically scrutinize empirical research designs and discuss the results in an interdisciplinary context.	
Contents	Current health economic research questions.	
Teaching and learning methods	Seminar: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of economics at Bachelor's level; interest in health economics issues.	
Usability	MA BWL, MA WiPäd, D Wilnf, D Wilng: area of Supplementary Qualifications To be chosen in accordance with the examination regulations.	
Examination	Complex assessment, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	International Financial Markets	Prof. Dr. Stefan Eichler stefan.eichler@tu-dresden.de
Qualification objectives	Students are familiar with the functioning and structure of international financial markets. They are able to analyze pricing on international financial markets, balance of payments problems and issues of monetary policy and derive practical conclusions.	
Contents	Fundamentals of international financial markets. This includes the various players in the financial market, the instruments used to process transactions, the pricing of shares and bonds, monetary policy and the macroeconomic implications of capital and current account imbalances.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 1 hour per week, self-study	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Area of Supplementary Qualifications MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations.	
Examination	Written exam, 60 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	International Public Economics	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	Students are able to classify fundamental concepts of finance in a global context. In particular, they understand the strategic interaction between states and can analyse and evaluate policy measures in a globalized world.	
Contents	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, modeled using cooperative and non-cooperative concepts of game theory.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 1 hour per week, self-study	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Area of Supplementary Qualifications MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Introduction to Geographic Information Systems	JunProf. Dr. Valentin Lindlacher valentin.lindlacher@tu-dresden.de
Qualification objectives	Students are familiar with the Geographic Information Systems software and are able to apply the software to problems in economics. They will be able to collect, process and analyze data using Geographic Information Systems and process it on the basis of a research or application question in economics.	
Contents	Properties and areas of application of geographic information systems and the Geographic Information Systems software.	
Teaching and learning methods	Lecture: 2 hour per week, practical: 1 hour per week, self-study	
Prerequisites for participation	Basic programming and IT skills at A-level.	
Usability	MA BWL: Area of Supplementary Qualifications MA WiPäd, D WiInf, D WiIng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations.	
Examination	Complex assessment, 25 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Microeconometrics	Prof. Dr. Bernhard Schipp econometrics@tu-dresden.de
Qualification objectives	Students are familiar with econometric analysis methods based on individual data. They are familiar with current microeconometric methods and are able to use them to address economic issues.	
Contents	Generalized linear models, maximum likelihood estimators, binomial/logit/probit models, multinomial models, regressions with censored and truncated variables, for example Tobit models, models for dwell times, hazard rate models and panel data analysis.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of statistics and econometrics, in particular interval estimators and hypothesis tests as well as linear multiple regression models, at Bachelor's level. The following literature is suitable for preparation: Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL, MA WiPäd,D Wilnf, D Wilng: Area Methods and Procedures MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations. The module creates the prerequisites for the Advanced Topics in Applied Econometrics module.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Microeconomic Perspectives on Development Economics	JunProf. Dr. Valentin Lindlacher valentin.lindlacher@tu-dresden.de
Qualification objectives	Students are familiar with relevant topics and models of modern development economics as well as models of comparative development research. They are able to apply the role of various factors such as health, education and private prosperity to the development of individuals and critically examine the resulting policy measures.	
Contents	The role of different types of capital, in particular human, physical, financial and social capital, coordination failures, models of asymmetric information, up to simple behavioral models and specific policy measures.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 1 hour per week, self-study	
Prerequisites for participation	Knowledge of microeconomics, macroeconomics and econometrics at Bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition, Blanchard, O.: Macroeconomics. Pearson, latest edition, Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Area of Supplementary Qualifications MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Compulsory elective module It must be chosen in accordance with the examination regulations.	
Examination	Complex assessment, 25 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Principles of Economic Theory	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
Qualification objectives	Students are familiar with current micro- and macroeconomic theories and their formal analysis techniques. They are able to use these tools in the subsequent modules of the Master's degree program to deal with economic issues.	
Contents	Budget and production theory, game theory, imperfect competition, international trade, growth and general equilibrium as well as static and dynamic optimization.	
Teaching and learning methods	Lecture: 2 hours per week, tutorial: 1 hour per week, self-study	
Prerequisites for participation	Knowledge of basic economic concepts such as the economic cycle, economic and market forms, economic analysis methods such as equilibrium analysis and comparative statics at Bachelor's level, as described, for example, in The Core Team (Ed.). 2017. The Economy. Oxford University Press, as well as knowledge of analysis, stochastics and inferential statistics at basic A-level.	
Usability	MA BWL, MA WiPäd, D WiInf, D WiIng: Area Methods and Procedures It must be chosen in accordance with the examination regulations.	
Examination	Complex assessment, 25 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Sustainability Economics	Prof. Dr. Artem Korzhenevych artem.korzhenevych@tu-dresden.de
Qualification objectives	Students are familiar with current theoretical and applied discussions in the field of sustainability economics. They are able to prepare, present, analyze, and discuss these current topics using scientific methods.	
Contents	Current theoretical and empirical research contributions of a fundamental and application-oriented nature to current applied problems in sustainability economics.	
Teaching and learning methods	Seminar: 2 hour per week, self-study Participation is limited to 16 participants; selection will be made by lottery.	
Prerequisites for participation	Knowledge of microeconomics and macroeconomics at the bachelor's level. The following literature is suitable for preparation: Varian, H: Microeconomic Analysis. Norton, latest edition.	
Usability	MA BWL: Areas of Supplementary Qualifications, Presenting and Discussing D Wilnf, D Wilng: Areas of Economics, Presenting and Discussing MA WiPäd: Area of Economics MA PIE: Elective Module The module must be selected in accordance with the respective examination regulations. Selection is only permitted for one of the listed areas.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Theory of Taxation	Prof. Dr. Marcel Thum marcel.thum@tu-dresden.de
Qualification objectives	Students will have a profound understanding of key concepts in tax theory. They will be able to understand and evaluate the impact of tax policy measures.	
Contents	Fundamental incentive and incidence effects of direct and indirect taxation as well as the optimal design of tax systems and tax reforms.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 1 hour per week, self-study	
Prerequisites for participation	Undergraduate-level knowledge of microeconomics, macroeconomics, and econometrics is required. The following literature is suitable for preparation: Varian, H.: Microeconomic Analysis. Norton, latest edition; Blanchard, O.: Macroeconomics. Pearson, latest edition; Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Area of Supplementary Qualifications MA WiPäd, D Wilnf, D Wilng: Area of Economics MA PIE: Elective Module This must be selected in accordance with the examination regulations.	
Examination	Written exam, 90 minutes	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Topics in Economic Policy	Prof. Dr. Alexander Kemnitz alexander.kemnitz@tu-dresden.de
Qualification objectives	Students are able to scientifically analyze a current economic policy problem. They can evaluate alternative solutions and are able to communicate their specialist knowledge in English.	
Contents	Theoretical and empirical economic policy research contributions of a fundamental and application-oriented nature to current applied problems in economic policy.	
Teaching and learning methods	Seminar: 2 hours per week, self-study Participation is limited to 20 participants; selection by lottery.	
Prerequisites for participation	Undergraduate-level knowledge of microeconomics and macroeconomics. The following literature is suitable for preparation: Varian, H.: Microeconomic Analysis. Norton, latest edition; Blanchard, O.: Macroeconomics. Pearson, latest edition; Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Areas of Supplementary Qualifications, Presenting and Discussing D Wilnf, D Wilng: Areas of Economics, Presenting and Discussing MA WiPäd: Area of Economics MA PIE: Elective Module The module must be selected in accordance with the respective examination regulations. Selection is only permitted for one of the listed areas.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Topics in International Economics	Prof. Dr. Christian Leßmann christian.lessmann@tu-dresden.de
Qualification objectives	Students are able to understand current theoretical and empirical contributions to international economics, present their most important aspects in English and place them in a scientific context.	
Contents	Current theoretical and empirical research contributions of a fundamental and application-oriented nature to current applied problems in international economics.	
Teaching and learning methods	Seminar: 2 hours per week, self-study Participation is limited to 20 participants; selection is based on the order of enrollment.	
Prerequisites for participation	Undergraduate-level knowledge of microeconomics and macroeconomics. The following literature is suitable for preparation: Varian, H.: Microeconomic Analysis. Norton, latest edition; Blanchard, O.: Macroeconomics. Pearson, latest edition; Gujarati, D. N.; Porter, D. C.: Basic Econometrics. McGraw-Hill, latest edition.	
Usability	MA BWL: Areas of Supplementary Qualifications, Presenting and Discussing D Wilnf, D Wilng: Areas of Economics, Presenting and Discussing MA WiPäd: Area of Economics MA PIE: Elective Module The module must be selected in accordance with the respective examination regulations. Selection is only permitted for one of the listed areas.	
Examination	Combined term paper, 90 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Topics in Policy Evaluation	Prof. Dr. Kamila Cygan-Rehm kamila.cygan-rehm@tu-dresden.de
Qualification objectives	Students are familiar with modern methods and applied challenges in empirical policy evaluations. They are able to analytically assess the evaluation of specific policy interventions, propose appropriate research designs, and critically examine the central assumptions. They also learn to assess the quality of empirical studies with regard to the study design used, the data basis, and the derived policy recommendations.	
Contents	Common methods of policy evaluation (randomized trials, difference- in-differences, regression discontinuity, instrumental variable estimation, matching, etc.) and their applications in the fields of labor market, education, social, and health policy (with changing focuses). The current focus will be announced at the beginning of each semester in the usual manner.	
Teaching and learning methods	Seminar: 2 hours per week, self-study Participation is limited to 15 participants; selection based on the order of enrollment.	
Prerequisites for participation	English language skills equivalent to level B2; knowledge of econometrics at bachelor's level.	
Usability	MA BWL: Areas of Supplementary Qualifications, Presenting and Discussing D Wilnf, D Wilng: Areas of Economics, Presenting and Discussing MA WiPäd: Area of Economics MA PIE: Elective Module The module must be selected in accordance with the respective examination regulations. Selection is only permitted for one of the listed areas.	
Examination	Combined term paper, 40 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

	Module name	Responsible lecturer
	Time Series Econometrics	Prof. Dr. Bernhard Schipp econometrics@tu-dresden.de
Qualification objectives	Students will be able to apply and evaluate the methods of time series econometrics. Furthermore, they will be able to plan the empirical procedure for a given research question.	
Contents	Fundamentals of stochastic processes, autoregressive integrated moving average models, generalized autoregressive conditional heteroskedasticity models, vector autoregressive models and continuous-time models in the context of economic problems.	
Teaching and learning methods	Lecture: 2 hours per week, practical: 2 hours per week, self-study	
Prerequisites for participation	Knowledge of statistics and econometrics at bachelor's level.	
Usability	MA BWL, MA WiPäd, D WiInf, D WiIng: Area Methods and Procedures Select according to the examination regulations.	
Examination	If there are more than ten registered students, the module examination consists of a 120-minute written examination. If there are up to ten registered students, it consists of a 20-minute non-public oral examination as an individual examination. If necessary, this will be communicated to the registered students in writing at the end of the registration period.	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

Business Information Systems

	Module name	Responsible lecturer
	Current Topics in Information Management	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
Qualification objectives	Students understand current issues in information management, are able to explain them and assess their theoretical and practical relevance. They are able to examine, classify and discuss issues in their practical relevance using scientific methods and derive scientifically sound statements. They are able to design solutions and implement state-of-the-art solutions. They can solve tasks of this kind in teamwork and organize them as a project.	
Contents	In a project work, the students deal with current scientific questions of information management in a practical application context.	
Teaching and learning methods	Project: 2 hours per week, self-study Participation is limited to 15 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of general project management and methodological principles in the Area of scientific work at Bachelor's level.	
Usability	MA BWL, MA WiPäd: Area of Additional Qualifications D Wilnf, D Wilng: Area of Business Informatics It must be chosen according to the respective examination regulations.	
Examination	Complex assessment, 110 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

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

	Module name	Responsible lecturer
	Data-Driven Business Models	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
Qualification objectives	Students are familiar with key data-based technologies and understand their contribution to organizational value creation. They are also familiar with key concepts and frameworks for describing data-driven business models. They are able to apply these concepts/frameworks in order to analyze and discuss corresponding business models in the form of scientific contributions.	
Contents	Current issues relating to data-driven business models will be addressed.	
Teaching and learning methods	Project: 2 hours per week, self-study Participation is limited to 20 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of basic concepts, methods and contexts of economics at Bachelor's level.	
Usability	MA BWL, MA WiPäd: Area of Additional Qualifications D Wilnf, D Wilng: Area of Business Informatics It must be chosen according to the respective examination regulations.	
Examination	Complex assessment, 120 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	

	Module name	Responsible lecturer
	Digital Business Engineering	Prof. Dr. Martin Wiener martin.wiener@tu-dresden.de
Qualification objectives	Students are familiar with key issues and central approaches of (digital) business engineering as well as the basic principles for the methodical design of digital services and business models. They will also be able to apply selected methods and techniques to analyze and develop appropriate solutions.	
Contents	Key issues, fundamental principles and selected methods and techniques of (digital) business engineering.	
Teaching and learning methods	Lecture: 1 hour per week, project: 2 hours per week, self-study Participation is limited to 20 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of business informatics at Bachelor's level.	
Usability	MA BWL: Areas of Business Administration, Supplementary Qualifications MA WiPäd: Areas of Economics, Supplementary Qualifications D WiInf, D WiIng: Areas of Economics, Business Informatics MA PIE: Compulsory elective module It must be chosen in accordance with the respective examination regulations. The choice is only permitted for one of the areas mentioned.	
Examination	Complex assessment, 60 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each winter semester	
Duration	One semester	

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

	Module name	Responsible lecturer
	ERP-Business Gamel	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
Qualification objectives	Students have knowledge of enterprise resource planning systems (ERP systems) such as SAP S/4HANA and can apply this knowledge in practice. Students can combine knowledge from various business management disciplines with business informatics skills and knowledge and apply these holistically in a realistic (but simplified) business situation. Students are familiar with the functionality and complexity of ERP systems in the context of business management decision-making situations and control tasks. They are able to use an ERP system to manage a fictitious company in a simulated market. They are able to analyze complex business contexts and market situations, derive plans and decisions within the group and implement them in an ERP system. They can scrutinize, evaluate and defend these decisions. They can present the results of their analyses in English and are proficient in the specialist terminology used with regard to both business management and ERP system functionalities in English. Overall, they improve their ability to work in a team, manage processes in a group, implement their tasks in a self-chosen project organization form, deepen their social skills and their ability to make decisions under time pressure.	
Contents	Selected integrated specialist processes from the Areas of materials management (in particular material requirements planning), production, procurement, financial accounting, controlling, marketing and sales as well as the interlinking of these functional areas in an integrated ERP system. In addition, the handling of an ERP system is taught and the deep integration of operational functional areas in such a system is illustrated. Furthermore, an exemplary company scenario with context, framework conditions and a variety of detailed information is presented.	
Teaching and learning methods	Lecture: 0.25 hour per week, practical: 0.25 hour per week, project: 2.5 hours per week, self-study Participation is limited to 20 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of the basics of busin accounting, production, logistics, business application systems at the ERP system SAP S/4HANA.	hess administration, organization, , basics of business informatics and bachelor's level; basic knowledge of

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

	Module name	Responsible lecturer
	Design Approaches to Business Processes and Systems	Prof. Dr. Susanne Strahringer susanne.strahringer@tu-dresden.de
Qualification objectives	Students are able to discuss complex problems from business informatics in a suitable manner and analyze complex issues using selected methods and develop suitable solutions for these in teamwork. They can organize their team task as a project and present the project results in a way that is appropriate for the target group.	
Contents	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.	
Teaching and learning methods	Project: 3 hours per week, self-study Participation is limited to 20 participants; selection based on the order of enrollment.	
Prerequisites for participation	Knowledge of contexts and methods of economics, business informatics and computer science at Bachelor's level.	
Usability	MA BWL: Areas of Business Administration, Supplementary Qualifications MA WiPäd: Areas of Economics, Supplementary Qualifications D Wilnf, D Wilng: Areas of Economics, Business Informatics Students must choose according to the respective examination regulations. The choice is only permitted for one of the areas mentioned.	
Examination	Complex assessment, 120 hours	
Workload and Credit points	5 credit points, 150 hours	
Frequency	Offered each summer semester	
Duration	One semester	