

English Course Catalogue

Department of Business and
Economics

TU Dortmund University

Winter 2023/2024

Erasmus Departmental Coordinator

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Bachelor Courses - Winter Term 2023/2024

General Notes and Guidelines:

- Most courses offer 7.5 Credit Points – Credit Points can be found in the course description.
- If there are no further restrictions mentioned, exchange students may take both Bachelor and Master courses regardless of the study level at their home university.
- In the case of lectures/exercises, there are usually no restrictions regarding the capacities and individual requirements.
- Seminars and courses with separate application/registration processes cannot be confirmed in advance (contact the departmental coordinator before your stay).
- The examination period usually takes place in the first three weeks after the lecture period (for the winter semester in February and for the summer semester in August). Please take this into consideration for planning your travel dates.
- In general, the curriculum for the summer and winter semesters is the same each year. However, there may be slight changes in the course program (due to organizational changes etc.)
- Up-to-date overview can be found here: <https://wiwi.tu-dortmund.de/en/international/international-students/incoming-exchange-students/before-your-stay/english-course-catalog-winter-semester-1/>

Department: Department of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Bachelor

Course type: Lecture and Exercise

Credit Points: 7,5

Professorship: Digital Transformation

Requirements: -none-

Course description:

Proliferation and dramatically fast developments of information technology continue to increase the importance of digital business models in today's economy. At the core of this information economy are information goods, which are exchanged on digital markets. In this course, students will learn about designing such information goods for the information economy. In particular, this course will cover the fundamental characteristics of information goods, including price and cost structure as well as versioning and rights management. Based on these characteristics, different types of digital markets, such as e-commerce, search, auctions, and multi-sided markets including platforms, will be covered. Finally, this course will discuss how organizations can act on digital markets given requirements imposed by policies, standards, and regulations.

Competences

After completion of this course, students will be able to analyze organizations that use digital business models. They understand the specific characteristics of information goods and can describe different forms of digital markets. Students will be able to analyze strategies for designing information products for digital markets, considering regulatory and industry requirements. The concepts covered in the lectures will be applied to a practical example in the accompanying case exercise.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement:

Module examination, consisting of an oral exam (20 minutes) or a graded written exam (60 minutes) (counts for 60 % of the grading), both of them in combination with the preparation and presentation of case studies (count for 40 % of the grading) (mode will be announced in time).

Innovation and Growth Management

Language: English

Department: Faculty of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 2317555278

Degree program: Bachelor

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Steffen Strese

Requirements: -none-

Course description:

Companies should regularly adapt their future strategy since technological, societal, or economic forces may lead to the decline of entire industries or to the advent of completely new businesses. This lecture addresses this challenge and presents various tools which companies can apply in order to detect future innovation and growth opportunities for long-term survival. This includes customer-related tools, environment-related tools, and firm-related tools. Among others, the technology-opportunity matrix, big data approach, and innovation crowdsourcing will be discussed and applied in detail. The lecture builds on current insights from both academic and practitioner literature.

Competences:

Students receive an in-depth understanding of why innovation and growth management is crucial for the long-term survival of companies. They learn where opportunities for innovation and growth originate from. Moreover, they will get acquainted with the most important and most recent tools to detect such opportunities. Last, students learn how to evaluate and prioritize interesting innovation and growth opportunities.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Written and graded exam covering the entire module (90 minutes)

International Management

Language: English

Department: Faculty of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 2317555278

Degree program: Bachelor

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Lorenz Graf-Vlachy

Requirements: -none-

Course description:

This module discusses the foundational concepts of international management. It covers various issues related to globalization, formal institutions of different countries (i.e., economic, political, and legal systems), informal institutions (such as culture and languages), firms' foreign investment options, as well as internationalization and market entry strategies. It further addresses the challenges of crafting strategy in an international context, as well as implementation-related issues like organization structures of multinational companies.

Competences

By completing in this module, students become acquainted with the basic concepts and tools of international management. The exercises will allow students to deepen their understanding of said concepts and tools and appreciate their utility and limitations.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vordem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Written and graded exam covering the entire module (90 minutes).

Professional Organizations and Their Management

Language: English

Department: Faculty of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 2317555278

Degree program: Bachelor

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Liudvika Leisyte

Requirements: -none-

Course description:

The module will introduce core definitions of professional organizations and professions and provide an overview of the key approaches to understand these organizations in the context of digitalization and the new world of work. Based on the latest studies, the main antecedents of successful management of professional organizations will be presented and critically analyzed. The module will provide concrete examples of successful management practices in professional organizations, especially focusing on strategy, organizational structures, decision-making processes and personnel management. The exercise will provide opportunities to critically reflect on the various theories and models of professional organizations and discuss how they compare across different sectors and different country contexts.

Competences

Students will develop an in-depth understanding of professional organizations in the age of digitalization and the new world of work. Students will learn how to apply the theories to evaluate professional organizations against the background of existing models and benchmarks. Furthermore, analytical skills as well as critical thinking will be developed through reflecting on the challenges of management practices in professional organizations. Finally, students will apply different approaches of managing professional organizations to solving the strategic challenges faced by such organizations from different sectors in different countries.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Written and graded exam covering the entire module (90 minutes).

Role of the Government

Language: English

Department: Faculty of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 2317555278

Degree program: Bachelor

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Galina Zudenkova, Ph.D.

Requirements: -none-

Course description:

This course focuses on the role of the government in the economy. The aim is to provide an understanding of the reasons for government intervention in the economy, analyzing the benefits of possible government policies, and the response of economic agents to the government's actions. The course covers social insurance programs, externalities, public goods, environmental protection, and the interaction between different levels of government.

Competences:

Students learn theoretical and empirical tools for analyzing public finance questions. Students acquire knowledge on reasons for government intervention in the economy and effects of those interventions on economic outcomes. The course should prove useful for any student interested in analysis of redistribution, public good provision and taxation.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Written and graded exam covering the entire module (90 minutes).

Master Courses - Winter Term 2023/2024

General Notes and Guidelines:

- Most courses offer 7,5 Credit Points – Credit Points can be found in the course description.
- If there are no further restrictions mentioned, exchange students may take both Bachelor and Master courses regardless of the study level at their home university.
- In the case of lectures/exercises, there are usually no restrictions regarding the capacities and individual requirements.
- Seminars and courses with separate application/registration processes cannot be confirmed in advance (contact the departmental coordinator before your stay).
- The examination period usually takes place after the lecture period (for the winter semester in February and for the summer semester in August). Please take this into consideration for planning your travel dates
- In general, the curriculum for the summer and winter semesters is the same each year. However, there may be slight changes in the course program (due to organizational changes etc.)

Up-to-date overview can be found here:

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vordem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

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Digital Innovation

Language: English

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Master

Course type: Seminar

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Manuel Wiesche

Requirements: -none-

Course description:

In this module, students will learn about innovation in the context of digital transformation. Students will work on real-world examples to understand the process of creating human-centric innovation at the intersection of user needs, possibilities of the digital technology, and business success. During the phase of requirement definition, students will use empirical research methods to develop an understanding of the case context, especially user behavior and needs. Using creativity methods, students will develop, analyze, and evaluate creative solutions for the case context.

Competences:

After completion of this module, students will understand the real-world challenges when innovating in the context of digital transformation projects. Students will know the basic concepts of digital innovation, including innovation methods, technologies, and business models. They will further be able to apply these concepts to their own cases and develop, evaluate, and defend ideas to solve problems in the context of digital transformation.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Examinations:

Module examination, consisting of a written paper, an oral presentation and oral participation (attendance is obligatory) in the course.

Dynamic Macroeconomics

Language: English

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 23317555278

Degree program: Master

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Philip Jung

Requirements: -none-

Course description:

This course is taught in English. There are no explicit requirements in order to take this course. A general interest in macroeconomic questions and a solid background in math are sufficient as the course is completely self-contained. To deepen our understanding of the economic ideas and theories taught in four lecturing and the according exercise each week, this course is accompanied by two hours of an additional exercise in which we will discuss solution techniques and their numerical implication. In each part of this course we will try to highlight the connections to current research in order to provide further reading in case you are interested in a specific topic.

Organisation:

Note that the additional exercise starts the same day the lecture an exercise starts. As the first sessions of the additional exercise are a pure introduction to Julia its first sessions do not depend on any content of the lecture. This will change very quickly as the additional exercise aims to map theory into its numerical analogue. The tutorial (as well as the lecture) will take place in the computer pool such that we have access to Julia which is a relatively accessible programming language and suits well the needs of our lecture.

Competencies:

The module provides tools and main results in modern dynamic macroeconomics on an advanced level to enable students to conduct their own research in macroeconomics.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Graded written exam (90 minutes)

Economic growth and historical development

Language: English

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 23317555278

Degree program: Master

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Nina Boberg- Fazlic

Requirements: -none-

Course description:

Why are some countries rich and others are poor? This course provides an understanding of long-run development and studies the underlying causes of income differences across countries. The focus of the lectures is the theoretical and conceptual background of proximate and fundamental factors in economic growth and development. In the exercise classes, empirical articles will be discussed with a focus on causal inference based on historical data.

Competences:

Students learn to understand and discuss long-term economic relationships and developments. They also learn to apply their knowledge of empirical methods to articles that conduct quantitative analysis, to discuss and to critically assess these. Understanding past (historical) growth episodes, helps to inform policy on how to achieve economic growth and sustained development.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Graded written exam (90 minutes) or oral exam (15-30 minutes) covering the entire module (mode will be announced in time)

Economics Analysis of Law

Language: English

Department: Faculty of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 2317555278

Degree program: Master

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Galina Zudenkova, Ph.D.

Requirements: The course requires successful participation in microeconomics and game theory courses.

Course description:

This course provides an introduction to the economic analysis of law, i.e., the application of economic methods to analysis of legal rules and institutions. It covers the areas of tort law, contract law and criminal law, property law and the Coase Theorem, intellectual property law, among others. The focus of the lectures will be primarily on theoretical work. Practice exercises will be assigned during the semester.

Competences:

Students leave the course understanding how microeconomic theory can be used to critically evaluate law and public policy. The course should prove useful for any student interested in analyzing policy issues. It will be particularly valuable background for those students intending to specialize in public economics, political economy, and economic policy.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Written and graded exam covering the entire module (90 minutes).

Economics of Migration

Language: English

Department: Department of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Bachelor

Course type: Seminar

Credit Points: 7,5

Professorship: Urbane, Regionale und Internationale Wirtschaftsbeziehungen

Requirements: - none -

Course description:

From Brexit to the border wall, closed ports to migrant camps, “bad hombres” to “expats” — the issue of migration is a highly relevant topic. Migrants play an important role both in the country of origin and in the recipient country. Market forces and political conditions significantly influence global migration, and the political response remains a political challenge.

In this seminar, we will explore the causes and effects of migration, both from a microeconomic perspective (e.g. the individual migration decision) and from a macroeconomic perspective (e.g. local labour market conditions and country conditions). Students will learn how to evaluate these current economic policy debates from a scientific perspective.

At the end of the seminar, we expect a written paper and presentation. Students can largely decide which particular topic they find most interesting. However, it is essential that topics are analysed using state-of-the-art scientific literature, as well as empirical analysis. Ultimately, we want to carry out an empirical project in student groups on a topic to be chosen by the students

Competences

Students will learn and apply empirical methods in the context of migration research. Combining theoretic considerations, literature research as well as data analysis students will develop the ability to analyse current debates with scientific means. Furthermore, analytical skills as well as critical thinking will be sharpened while using the necessary soft skills such as organization, individual/team work, communication etc. which all are highly relevant for the job market.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement:

Module examination, consisting of a graded written paper, an oral presentation and active participation (attendance is obligatory).

Financial Econometrics

Language: English

Department: Faculty of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0)2317555278

Degree program: Master

Course type: Seminar

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Peter N. Posch

Requirements: -none- Recommended: Knowledge in statistical and econometrical methods, prior knowledge in finance, e.g. one of the modules. Due to limited PC-capacities you need to apply for this course.

Course description:

This lecture applies modern econometric methods to current questions from the field of finance, risk management and commodity markets. We will both explore the theoretical dimensions of the models used as well as apply the methods to real-life datasets.

Competencies

Students learn the basic and advanced methods of financial econometrics. They apply the methods using datasets and thereby learn both the application of econometric methods as well as the caveats associated with real-life data, data gathering and data mining. The use of the industry specific programming language (currently Python) for econometric analysis is an essential part of this course.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vordem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Exam or graded presentation based on written case study's expose.

Financing and Launching Innovative Products

Language: English

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de,

Degree program: Master

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Steffen Strese, Res. Assoc. Darius Abel

Requirements: -none - Due to limited number of topics/ideas, the course is restricted and application is mandatory. Please refer to the course website for detailed information.

Course description:

Innovative products are a key driver for the success of many firms in the context of today's fast-paced world. Innovative products are being developed by startups as well by established company. Either way, theory and practice demonstrate that an entrepreneurial mindset is a fruitful starting point for radical innovations. Therefore, this course starts by discussing the culture and mindset of entrepreneurs. Further, students will learn theoretical and practical approaches on how to develop innovations and innovative products, drive them from an idea stage, over the development and financing stage to the market entry.

Competencies:

In this course, students will acquire a theoretical and practical understanding on how innovations are developed, turned into marketable products and get financed. At the end of this course, students will understand how to differentiate between ideas and opportunities as well as why recent attention-raising products succeeded or failed. This course asks students to critically reflect innovative products and/or their own ideas based on the discussed theory which also contributes to students' problem solving and structured thinking capabilities. By discussing the mindset, thinking, and heuristic approaches of successful and failed entrepreneurs, students will acquire an understanding on how to recognize and shape entrepreneurial environments that can foster innovation.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Module examination, consisting of an oral exam (counts for 50 % of the grading) in combination with the preparation and presentation of case study group work (counts for 50 % of the grading).

International Coworking and Entrepreneurial Management

Language: English

Department: Department of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Master

Course type: Seminar

Credit Points: 7,5

Professorship: Entrepreneurship und Digitalisierung

Requirements: Course includes travel to partner universities within the EU (location rotates with TU Dortmund; funding available).

Course description:

Coworking and coworking spaces experienced rapidly increasing popularity in the last decade. They are popular among entrepreneurs, startups, and freelancers, also catching the attention of established corporations. However, universities yet failed to integrate coworking spaces into their broader academic teaching, transfer, and research programs. This seminar aims to teach students the concepts and scientific foundations of coworking. Students will understand coworking dynamics and apply their knowledge in entrepreneurial business case studies. In doing so, it will enable them to leverage coworking into an integral part of their university learning experience to foster an innovation mind- and skillset and gain important future work skills (e.g., new work or work 4.0).

Students will get the opportunity to work in coworking spaces outside the usual classroom environment. They will also collaborate both remotely and in person with other course participants of our international partner universities (Paris School of Business, Prague University of Economics and Business, and Seeburg Castle University).

Aside from learning about the concepts of coworking and coworking spaces, attendees will enhance their entrepreneurial and creative thinking and improve their professional and intercultural skills. The students can apply the acquired knowledge while working on a case study in multinational teams. This way, they will experience coworking first-hand and use the learned techniques to develop innovative business ideas related to the case study. Finally, they will get the opportunity able to pitch and discuss their ideas and solutions in front of a professional international audience.

Competences

Students will learn about the conceptual foundations and dynamics of coworking and coworking spaces, as well as common coworking practices and principles. Further, attendees will develop their skillset in entrepreneurial and creative thinking, intercultural understanding, and innovation management

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vordem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Examinations

Module examination, consisting of a graded presentation, seminar paper, and active participation (compulsory attendance).

Labor Economics

Language: English

Department: Department of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Master

Course type: Seminar

Credit Points: 7,5

Professorship: Empirische Wirtschaftsforschung

Requirements: -none-

Course description:

This is a first comprehensive course in labor economics at the graduate level. Topics include supply- and demand for labor, wage determination, human capital, technological change, market power, the role of firms and inequality. There will be a special focus on evidence accompanying the theory as well as the causal and quantitative empirical methods used in applied microeconomics more generally.

Competences

The course fosters participants' skills in (i) the economic modeling of labor market relationships; (ii) their knowledge of microeconomic methods; (iii) hands-on data analysis and communication of empirical results

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Examinations

Graded written exam (90 minutes) or oral exam (30 minutes) covering the entire module (mode will be announced in time).

Organization of Innovation and Applying Different Approaches to Organizing Innovation

Language: English

Department: Department of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Bachelor

Course type: Seminar

Credit Points: 7,5

Professorship: Hochschuldidaktik und Hochschulforschung

Requirements: -none-

Course description:

Fostering innovation is the goal of many governments as well as organizations in today's knowledge economies. The seminar will introduce and critically discuss organizational models for innovation and provide deeper insights into the main characteristics of innovation. The latest research results will identify the main antecedents of successful innovations and the role of institutional entrepreneurs in the process of innovation. The exercise will provide the space for practical application of the approaches to organizing innovation via the simulation game.

This seminar and exercise will inform students about the latest approaches of organizing innovation internationally. Students will critically reflect on the key findings of studies of innovation and will carry out a research project of their own on particular innovation. Simulation game will provide practical skills for organization of innovation.

Competences

The seminar will start with the lecture which will cover the main theoretical models for organizing innovation. The topics for assignments and the suggested literature will be presented and students will choose the topics. Each of the seminars will have a presentation from students followed by a discussion.

All students are expected to actively participate in the seminar. Each of the sub-topics covered in the seminar will have compulsory reading. It is expected that students will work on the assignment, present it and participate in the discussions. The assignment will consist of a presentation on a given topic and an individual written 5000 words paper on a given topic. The number of participants of this seminar is limited to 20.

The exercise will include a simulation game during which we will simulate innovation process in a professional organization.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Examinations

Seminar: 4 Credits; task for getting a grade: presentation of the assignment and written paper.

Exercise: 3.5 Credits; task for getting the grade: active participation in the exercise.

Production Planning and Control

Language: English

Department: Faculty of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 2317555278

Degree program: Master

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Ralf Gössinger

Requirements: -none- Recommended: Knowledge about production and operations management on a bachelor level.

Course description:

The lectures are focusing on

- a theory-driven economic analysis of production systems,
- the transfer of theoretical knowledge into a theory-based production management,
- quantitative approaches for production planning systems
- computer aided modeling and solving of planning problems.

Competences:

A deepened understanding of planning models and solution approaches applied in production planning and control systems (PPC Systems) is supported. The students are enabled to assess the suitability of the different approaches depending on the planning situation. They are able to implement planning models in optimization software and to solve these models by means of a standard solver.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Written and graded exam covering the entire module (90 minutes).

Research Topics in Finance, Risk- and Resource management

Language: English

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Master

Course type: Seminar

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Peter N. Posch

Requirements: This course requires successful participation in the courses Finance I and III.

Course description:

In this course we will discuss current research topics including, but not limited to, the methods applied, the scope and aim of the research and its impact. We train quantitative analysis with concrete research questions and real datasets and increase the competency in academic writing and methodology.

Competences:

Analytical and quantitative competences in the field of finance and risk management are trained. The seminar prepares students for the master thesis to which the topics can be (generally) extended. Literature research as well as the current state of the academic discussion in the topic's area furthermore deepens the student's competences in pursuing an academic training on a high level.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Examinations: Graded written paper and oral presentation.

Seminar Empirical Political Economics

Language: English

Department: Faculty of Business and Economics

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de, +49 (0) 2317555278

Degree program: Master

Course type: Seminar

Credit Points: 7,5

Teacher/Lecturer: Prof. Galina Zudenkova, Ph.D.

Requirements: The course requires successful participation in microeconomics and game theory courses on a bachelor level.

Course description:

In this seminar, we will cover questions related to law and economics (in the winter term) and to political economy and policymaking (in the summer term). We will analyze the recent theoretical, empirical and experimental work on these topics. In the winter term, we will focus on behavioral law and economics. The topics include endowment effect and Coase theorem, bargaining and property rights regimes, deterrence and emotions, enforcement and norms, consumer protection, litigation and breach remedies. In the summer term, we will discuss the role that political actors (voters, candidates, legislatures, interest groups, political parties, and media) play in policy determination. The topics include political and fiscal constitutions, electoral systems, political competition, political accountability, lobby formation, campaign contributions, legislative decision-making, and political parties' impact on policymaking.

Competences:

Students will learn to formulate and defend their position and approach to problem solving; they will be able to exchange information, ideas, and solutions with experts of the field. Subject-related skills: profound knowledge of the material presented by the instructor and other students. Analytical skills: analysis of the theoretical, empirical and experimental papers, evaluation of the papers and possible extensions.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Students are responsible for one presentation. Students will also have to write a report (5-6 pages) evaluating the paper they have presented and suggesting extensions as well as further applications. Grades will be based on the seminar presentations and the report: Seminar presentation (50% of the grade) + report (50% of the grade).

Seminar Microeconomics

Language: English

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Master

Course type: Seminar

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Lukas Buchheim

Requirements: -none- recommended: knowledge of introductory economics (Microeconomics, Macroeconomics, Econometrics) at the Bachelor level

Course description:

This course introduces students to the research areas of the Chair of Microeconomics that are located at the intersection of (empirical and theoretical) microeconomics and macroeconomics. These topics include, but are not limited to, the theory and empirics of expectation formation as well as the study of regional economic developments.

Competences:

Students will learn how microeconomic and macroeconomics tools are used jointly to answer business and policy relevant questions regarding how economic agents form expectations or how regional markets evolve.

Students will also learn how to formulate working hypotheses, and evaluate their strengths and weaknesses. Effective communication of arguments will be one key learning outcome of the course.

In addition, students will acquire analytical tools to critically evaluate theoretical and empirical work, and to possibly add to the existing work with own analyses that may provide the foundation for work on a Master's thesis.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Examinations: Module examination, consisting of a graded written paper (counts for 50 % of the grading) and an oral presentation (counts for 50 % of the grading). Participation is required (i.e., compulsory attendance).

Strategic Technology and Innovation Management

Language: English

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de,

Degree program: Master

Course type: Lecture + Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Tessa Flatten

Requirements: -none-

Course description:

This class introduces the evolutionary patterns of technologies/innovations and connects these to technological developments. Those patterns are linked to several concepts like the product life cycle or diffusion models. Moreover, the relevance of customer needs regarding new product development is discussed. In order to enable companies to implement efficient processes to handle technologies and innovations this class as well focuses on the design of organizational structures and culture. Additionally, specific problems like organizational ambidexterity or standardization are covered. Furthermore, recent research topics from international journals will be presented within this class.

Competencies:

On the one hand this class deepens the students understanding regarding the application of technologies. Students learn how they can support company's strategic management by improving the technology management capabilities. Moreover, students are enabled to understand recent research results, assess the impact of those studies and apply the results to their practical work. As an addition the students are trained to develop their skills regarding the development of own research ideas.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Module examination. Students can choose between two options: Option 1) 90 minutes written exam covering the entire module, Option 2) Preparation and presentation of a case (counts for 1/3 of the grading) and 60 minutes written exam (counts for 2/3 of the grading).

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Master

Course type: Lecture & Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Lorenz Graf-Vlachy

Requirements: -none-

Course description:

In this module, students will learn to develop a critical attitude and own perspectives towards theory in general, and specifically towards theories in management, technology, and leadership research. To achieve this, they will apply basic social research thinking and methods to construct theory themselves and to closely scrutinize recent scientific studies and research questions. While being primarily rooted in science, the course will also address the questions of what management theory means to practitioners and how to apply current management theory to reflect on and solve real-life managerial challenges.

Competencies:

After completing this module, students will have a deep understanding of what theories are and which criteria can be used to evaluate them. Students will further understand the scientific process of theory building and testing, as well as have gained insights into scientific writing and presenting, as well as the scientific discourse and publishing process. Students will also have obtained a basic grasp of various typical qualitative and quantitative research methods. Finally, students will be able to read and critically assess scientific publications in the fields of management, technology, and leadership research.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vor-dem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Graded oral presentation, written report/reflection and active participation (attendance is compulsory) in oral presentations.

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Master

Course type: Lecture & Exercise

Credit Points: 7,5

Teacher/Lecturer: Prof. Dr. Leisyte

Requirements: -none-

Course description:

The importance of knowledge intensive organizations has been underscored by policy makers across the world. Universities in particular are believed to play a key role for the future of national economies via knowledge production, transfer and commercialization. The seminar will introduce the main higher education governance and management trends in Europe and the US and shed light on the role of universities in national and regional innovation systems. The course will also introduce the key characteristics of university as a professional organization. Drawing on the theoretical models of national and regional innovation systems and organizational theories the course will point out the role of engaged university in fostering regional and national economies. Students will carry out research projects drawing on the latest theoretical and empirical evidence from Higher Education, Science and Technology Studies as well as Innovation Studies.

Competencies:

Students will learn about and apply empirical methods studying the role of the university in its regional innovation system. They will get acquainted with the key developments of university governance and management which will enable them to reflect on the role of universities for economic development in national and regional innovation systems. Combining theoretic considerations, literature research as well as data analysis students will develop the ability to analyze national and regional innovation systems with scientific means. Furthermore, analytical skills as well as critical thinking will be developed while using the necessary soft skills such as organization, teamwork, presentation skills which all are highly relevant for the job market.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vordem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Module examination, consisting of a graded presentation, seminar paper, and active participation (attendance is obligatory).

Women and Diversity in Business: Theory and Methods

Language: English

Department: Faculty of Business and Economics, TU Dortmund

Contact: Dr. Debra Hanning, Erasmus.WiWi@tu-dortmund.de

Degree program: Master

Course type: Seminar

Credit Points: 7,5

Teacher/Lecturer: JProf. Dr. Daniela Gimenez-Jimenez

Requirements: -none-

Course description:

Women and diversity in business have gained attention in the media, policymakers as well as academia, giving the increasing number of women in entrepreneurship, family businesses, and corporate spheres. Despite this trend, women and other minorities are underrepresented in many industries, and the board of directors, their businesses experience high failure rates, as well as, they prefer to not join family businesses. Due to these patterns, in the last decades, there has been an increasing body of research on the topic, aiming at understanding not only what drives and hinders women and other minorities in the business sphere but also their role in the business and society. In this seminar, we will provide and discuss recent research on women and diversity in businesses. The seminar has two main learning goals: First, the students will acquire a profound knowledge of the field of women and diversity in business, including qualitative and quantitative studies; and second, the students will obtain the skills of scientific working and writing.

Competences:

1. Understand state-of-the-art of the research field of women and diversity in business;
2. Analyze the different perspectives for studying women and diversity in business;
3. Comprehend the impact of the field in the business and society;
4. Employ a theoretical framework for studying an empirical phenomenon;
5. Acquire and apply the skills of developing and writing a scientific seminar paper.

Links to courses can be found here:

<https://wiwi.tu-dortmund.de/internationales/internationale-studierende/austauschstudierende/vordem-aufenthalt/kurse-auf-englisch-im-wintersemester/>

Proofs of academic achievement: Graded presentation, seminar paper (reflection) and active participation (attendance is compulsory) in both, seminar sessions and oral presentations.