



# Course Descriptions Winter Term 21/22



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# List of Courses

## at Bachelor's Level

Lecture	Field of Studies	ECTS	Type of Class	Name
<a href="#">Anglo-American Law</a>	Business Studies	3	Lecture	Christian L. Geminn Martina Deckert
<a href="#">Economics of Innovation</a>	Economics	6	Lecture / Exercise	Guido Bünstorf
<a href="#">Empirical Research Projects with Big Data</a>	Business Studies	6	Seminar	Vahidin Jeleskovic
<a href="#">European Law</a>	Business Studies	3	Lecture	Gerrit Hornung Martina Deckert
<a href="#">European Economics</a>	Economics	6	Lecture	Ivo Bischoff
<a href="#">Introduction to Behavioral Economics</a>	Economics	6	Lecture	Astrid Dannenberg
<a href="#">Introduction to Econometrics</a>	Economics	6	Lecture / Exercise	Alexander Günther Reinholf Kosfeld
<a href="#">Introduction to Empirical Energy Economics</a>	Economics	6	Lecture / Seminar	Heike Wetzel Alexander Günther
<a href="#">Legal and Business English</a>	Business Studies / Law	3	Seminar	Alison Franklin
<a href="#">Microeconomics Using Calculus</a>	Economics	6	Lecture / Exercise	Abeer Ibtsam Aziz Ivo Bischoff
<a href="#">Supply Management</a>	Business Studies	6	Lecture / Seminar	Erik Siems

# List of Courses

## at Master's Level

Lecture	Field of Studies	ECTS	Type of Class	Name
<a href="#">Academic Writing in Economics</a>	Economics	2	Seminar	Ivo Bischoff
<a href="#">Advanced Economics of the Environment</a>	Economics	6	Lecture	Astrid Dannenberg
<a href="#">Advances in Sustainable Marketing</a>	Business Studies	6	Seminar	Ralf Wagner Katrin Zulauf
<a href="#">Buildings for Future?!</a>	Business Studies / Law	6	Seminar	Leo Reutter Georg von Wangenheim
<a href="#">Cross-Cultural Issues in Business Psychology</a>	Economics	6	Seminar	Sandra Ohly
<a href="#">Decision Support Tools in Sustainability Management</a>	Business Studies	3	Seminar	Stefan Gold
<a href="#">Econometrics</a>	Economics	6	Lecture	Igor Asanov
<a href="#">Economic and Monetary Union (EMU)</a>	Economics	6	Seminar	Jan Hattenbach Luzie Thiel Jochen Michaelis
<a href="#">Empirical Methods to Study Environmental Problems and Policies in Developing Countries</a>	Business Studies	6	Seminar	Sven Christens
<a href="#">Evidence-Based Economic Policy</a>	Economics	6	Lecture / Exercise	Guido Bünstorf
<a href="#">Forecasting Methods for Big Data Using Machine Learning</a>	Business Studies	6	Seminar	Vahidin Jeleskovic
<a href="#">Foundations of Experimental Economics</a>	Economics	6	Lecture	Björn Frank Christoph Büren
<a href="#">Introduction to Applications in Python for Economists</a>	Economics	6	Lecture	Minh Nhat Luong Björn Frank
<a href="#">Introduction to Text Mining</a>	Economics	6	Lecture	Guido Bünstorf
<a href="#">Microeconometrics</a>	Economics	6	Lecture / Exercise	Gunnar Gutsche Thilo Haverkamp
<a href="#">Organizational Resilience – How Organizations Master Uncertainty and Crises</a>	Business Studies	6	Seminar	Kijan Vakilzadeh Peter Eberl
<a href="#">Quantitative Empirical Research in Business</a>	Business Studies	6	Seminar	Stefan Seuring-Stella
<a href="#">Risk Management</a>	Business Studies	6	Lecture	Boris Lehnert Christian Klein
<a href="#">Stress at Work</a>	Economics	6	Block seminar	Sandra Ohly

<a href="#">Supply Chain Management</a>	Business Studies	6	Lecture / Seminar	Stefan Seuring-Stella
<a href="#">Sustainable Supply Chains and Circular Economy</a>	Business Studies	6	Lecture / Seminar	Biman Darshana Hettiarachchi Stefan Seuring-Stella

# Course descriptions

## at Bachelor's Level

<b>Anglo-American Law</b>				
Lecture	Business Studies	3 ECTS	Type of Examination: Exam	Christian L. Geminn Martina Deckert
Tue 16:00 – 18:00 h, weekly 19.10. – 15.02.22				
<u>Content:</u>  Introduction to the main features, the structure and the practice of the Anglo-American legal systems; history and methodology of common law and case law; differences between Anglo-American and continental legal systems.				

## Economics of Innovation

Lecture  
/  
Exercise

Economics

6 ECTS

Type of  
examination:  
Exam

Guido Bünstorf

Mon 14:00 – 18:00 h, weekly 18.10.21 – 14.02.22

### Content:

Innovative products and services provide the foundation of economic change and development. Just 20 years ago, some of the products and services that we take for granted today had not even been invented or were barely known to a broad public. Explaining how innovations are generated, how they diffuse in the economy and how they affect economic growth is associated with substantial theoretical and empirical challenges for economics. Over the past decades, a rich and diverse literature has dealt with these challenges. In this course, fundamental concepts, theories, and findings in the economics of innovation are introduced first. Subsequently, selected contributions to growth theory will be discussed that focus on innovation.

This course will have a lecture format. No prior registration is required.

## Empirical Research Projects with Big Data

Seminar	Business Studies	6 ECTS	Type of Examination: Presentation and term paper	Vahidin Jeleskovic
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Thu 10:00 – 14:00 h, weekly, date to be announced

### Content:

Students conduct their own empirical studies, present their results and write a seminar paper to successfully complete this project seminar. For these purposes, students have to work with empirical data and to use a statistical software. A component of the seminar is also to hold two presentations, namely at the beginning and at the end of semester.

## European Law

Lecture	Business Studies	3 ECTS	Type of examination: Exam	Gerrit Hornung Martina Deckert
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Tue 12:00 – 14:00 h, weekly 19.10.21 – 15.02.22

### Content:

Introduction to EU law and European integration; main features of EU law, in particular fundamental freedoms and fundamental rights; main features of harmonisation or approximation of laws, in particular in EU private and economic law.



## European Economics

Lecture	Economics	6 ECTS	Type of examination: Exam	Abeer Ibitsam Aziz Ivo Bischoff
Wed, 08:00 – 10:00 h, weekly 20.10.21 – 09.02.22				
<p><u>Content:</u></p> <p>This course provides an introduction to economic and political integration in the European Union. The course agenda covers a wide range of topics including the evolution of the EU; its main institutions (e.g. European Parliament and European Central Bank), market, monetary and policy integration as well as the perspectives of the EU. Some sessions will be held by guest speakers. To acquire credits, a) students have to fulfill a small requirement, usually a fact sheet and a small presentation; b) students have to pass a final exam.</p>				

## Introduction to Behavioral Economics

Lecture	Economics	6 ECTS	Type of examination: Exam	Astrid Dannenberg Marcel Lumkowsky
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Tue 08:00 – 12:00 h, weekly 19.10.21 – 15.02.22

### Content:

Behavioral economics integrates insights from psychology into economics. Going beyond the bounds of rationality and self-interest of economic agents, behavioral economics is concerned with the effects of psychological, social, and cognitive factors on the decisions of individuals and groups as well as their consequences for social welfare and the distribution of resources. In the first part of the course, we look at the most important cognitive biases as well as their causes and consequences. Students learn, for instance, how people behave under uncertainty, make predictions for the future, remember and evaluate the past, and what makes them happy. The second part of the course is on strategic decision making. Here the question is how people behave when their decisions not only affect their own welfare but also other people's welfare. Students learn when people are generous, when they are trustful and trustworthy, when they cooperate for the sake of the group even if this is costly. We will play games in the classroom and compare the results with the results of lab experiments conducted with real money. We look at many real world examples like international climate change negotiations. The aim of the course is to give an overview of the most important findings in behavioral economics.

## Introduction to Econometrics

Lecture  
/  
Exercise

Economics

6 ECTS

Type of  
examination:  
Exam

Alexander Günther  
Heike Wetzels

Mon 14:00 – 18:00 h, weekly 18.10.21 – 07.02.22

### Content:

Econometrics helps to estimate the relationships between economic events. We will discuss which methods we can use to estimate these relationships and what are the underlying assumptions of these methods. The aim of this course is to introduce students to empirical methods in economics. The goal of this course is to explain (1) which methods one can use to estimate the relationship between economic events, (2) assumptions of these methods, and (3) how to use these methods with R.

1) Econometrics and Empirical Economic Research

2) The multiple regression model

- Specification of the model
- Method of Least Squares (OLS method)
- Estimation properties of OLS method
- Coefficient of determination and multiple correlation coefficient

3) Significance testing and confidence interval

- Significance testing of the beta coefficient
- Confidence intervals of the beta coefficient
- Variance analysis

4) Multicollinearity

- Definition of multicollinearity
- Effects of multicollinearity
- Exposure of multicollinearity
- Overcoming of multicollinearity

## 5) Heteroscedasticity

- Definition and effects of Heteroscedasticity
- Tests of Heteroscedasticity
- Method of Generalized Least Squares (GLS) and heteroscedasticity

## 6) Autocorrelation

- Definition and effects of autocorrelation
- Tests of autocorrelation
- Autocorrelation coefficient
- Method of Generalized Least Squares (GLS) and autocorrelation

## 7) Models with qualitative variables

## Introduction to Empirical Energy Economics

Lecture / Seminar	Economics	6 ECTS	Type of examination: Presentation, term paper	Heike Wetzel Alexander Günther Jonas Bender Victor von Loessl
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Tue, 10:00 – 14:00 h, weekly 19.10.21 – 15.02.22

### Content:

The aim of the course is to provide an introduction to the basics of empirical energy analysis. The selected methodological and theoretical-conceptual contents cover a variety of empirical issues: From the analysis of energy consumption of private households to investigation of population's attitudes towards energy-related topics as well as resource economics topics.

### Requirements

- Intermediate microeconomics
- Intermediate economic policy
- Basic econometrics

## Legal and Business English

Seminar	Business Studies/ Law	3 ECTS	Type of examination: t.b.a.	Alison Franklin
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Mon 12:00 - 16:00 h, biweekly 18.10.21 - 31.01.22

Fri 08:30 - 12:00 h, biweekly 22.10.21 - 04.02.22

Mon 12:00 - 16:00 h, biweekly 25.10.21 - 07.02.22

Fri 08:30 - 12:00 h, biweekly 29.10.21 - 11.02.22

### Content:

The aim of this course is to prepare students for academic study in business law in the English language. We focus on the language skills a student of business law needs. The subject should enable students to understand the relationship between language and law and how they work together in professional settings.

### Prerequisites:

English Level B2

## Microeconomics Using Calculus

Lecture/Exercise	Economics	6 ECTS	Type of Examination: Exam	Abeer Ibitsam Aziz Ivo Bischoff
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Mon, 08:00 – 10:00 h, weekly 25.10.21 – 21.02.22

### Content:

The course aims at deepening the skills in microeconomics and calculus.

The course works through a wide range of topics in microeconomics including public goods, game theory, contract theory, general equilibrium, taxation.

Participants are expected to participate actively in the class, do assignment and discuss their solutions in the exercise sessions.

The assignments and the slides for the course are provided via Moodle. The Moodle platform is also used to communicate all news concerning this course.

To receive 6 credits, you need to pass the final exam.

## Supply Management

Lecture  
/  
Seminar

Business  
Studies

6 ECTS

Type of  
Examination:  
Presentation  
and term  
paper

Erik Siems

Thu 08:00 – 12:00 h, weekly 21.10.21 – 17.02.22

### Content:

#### **Intended learning outcome**

In this course, we would like to provide knowledge on the following core fields in the context of current issues:

- Purchasing operations and Supply Chain Management
- Core Concepts
- Strategic Sourcing (Process)

#### **Intended expertise outcome**

- Definition and communication of strategic aims / objectives
- Analysis and elaboration of challenges in purchasing operations
- Development, consideration, and evaluation of appropriate alternatives

#### **Structure and methods of the course**

The core characteristic is a close interaction among students of different nationalities, e.g. represented by ERASMUS- and other international students. The lectures will be based on current research publication on purchasing and supply chain management. So, readings will be part of the course.

## Course descriptions



## at Master's Level

### Academic Writing in Economics

Seminar

Economics

2 ECTS

Type of  
examination:  
Assignments

Ivo Bischoff

Thu, 16:00 – 18:00 h, weekly 11.11.21 – 03.02.22

#### Content:

The course introduces students with little experience in academic writing to some key aspects of academic writing and refreshes what we mean by a scientific approach in economics.

#### Outline:

- 1) Introduction
- 2) Philosophy of science
- 3) Seminars and Master thesis
- 4) Academic writing – the product
- 5) Reading – the PQ4R technique
- 6) Strategies in searching literature
- 7) Organizing arguments – the outline
- 8) Academic writing – the process
- 9) Concluding discussion

## Advanced Economics of the Environment

Lecture	Economics	6 ECTS	Type of examination: Presentation and Exam	Astrid Dannenberg
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Mon, 16:00 – 20:00 h, weekly 18.10.21 – 14.02.22

### Content:

- Analysis of the environmentally relevant economic actors
- Uncertainty as characteristic action for actors
- Innovations and Routines as environmentally relevant behavior
- Dynamic of exploration and substitution at depletable resources
- Economic competition and ecological usage
- social learning processes in economic-ecological systems

## Advances in Sustainable Marketing

Seminar	Business Studies	6 ECTS	Type of examination: Term Paper, exam, assignments	Ralf Wagner Katrin Zulauf
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Tue, 08:00 – 12:00 h, weekly 19.10.21 – 08.02.22

### Content:

#### *Introduction:*

Formalities, Assignment "Promotion Campaign", Case "Nike" & definitions.

#### *International Framing:*

Trade blocks, key figures, entropy for assessing the degree of internationalization, contemporary marketing practices (CMP project).

#### *Globalization and Emotions:*

Case study "Happy Birthday Globalization", convergence theory of Levitt, international experience curve, emotions in international marketing & assessment of emotions by means of picture scales à if possible I will start the discussion of cultural references in this block already (including the case of analysing Mercedes promotion ads with an eye tracker: Caucasians versus Asians)

#### *International marketing processes:*

International communication, standardisation of prices & communication including the cases of the promotion campaign for the EMBS; country of origin effect

#### *Targeting of and relating to foreign customers:*

Market segmentation, market entry modi, strategic alliances and their stability conditions (external based of Coase theorem, "market for lemons" and transaction costs, internal structured by means of the repeated prisoners dilemma), marketing at the base of the pyramid & subsistence market places.

## Buildings for Future?!

Seminar	Business Studies / Law	6 ECTS	Type of examination: Term paper and presentation	Leo Reutter George von Wangenheim
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Thu 14:00 – 16:00 h, weekly 21.10.21 – 17.02.22

### Content:

Each week we will look at the topic “decarbonizing residential heating” from a different perspective of economics and discuss the respective literature.

- Overview of potentials, costs, challenges regarding the decarbonization of residential heating.
- Overview of institutional barriers that hinder the decarbonization of residential heating.
- Overview of policies to overcome the barriers.
- Insight into research design and methodology of different economic subdisciplines.

## Cross-Cultural Issues in Business Psychology

Seminar	Economics	6 ECTS	Type of Examination: Assignment and term paper	Sandra Ohly
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10:00 – 18:00 h, block 21.02.22 – 25.02.22

### Content:

This course is supposed to be fun! You should learn about cross-cultural differences and similarities, about its antecedents and its consequences. But at the same time, you should teach and tell your experiences and examples from your travels or your home country. Thus, this course is about communication and exchange. Consequently, it's absolutely required to be open-minded, to be willing to share and to be courageous to try out and experience. As a next step common grounds for global business will be presented and implications for negotiation processes deduced. This course will strive above many relevant topics to give you a feeling about "what matters" in cross-cultural interactions in work life... and maybe inspire you also further.

## Decision Support Tools in Sustainability Management

Seminar	Business Studies	3 ECTS	Type of Examination: t.b.a	Stefan Gold
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Tue, 16:00 – 18:00 h, weekly, 26.10.21 – 15.02.22

### Content:

In this seminar, students get acquainted with various tools that may support decision-making for multi-faceted sustainability performance. After a theoretical introduction on some instruments including data envelopment analysis (DEA), analytical hierarchy process (AHP) and system dynamics modelling, the students will gain in-depth practical experience by working with one selected tool. In the sense of a project seminar, the students successively develop a system dynamics model for addressing a specific problem in the field of sustainability management, and then report and reflect on model-building procedure and findings.

### Goals and objectives

- Get acquainted to decision support tools that are applicable for problems in the realm of sustainability management
- Get in-depth insights and gain first experience in building a system dynamics model
- Reflect on the assets and limitations of various decision support tools
- Gain experience in working in a team, in how to make decisions in a group and how to manage time and resources

# Econometrics

Lecture

Economics

6 ECTS

Exam

Igor Asanov

Thu 14:00 – 18:00 h, weekly 21.10.21 – 17.02.22

## Content:

Econometrics helps to estimate the relationships between economic events. We will discuss which methods we can use to estimate these relationships and what are the underlying assumptions of these methods.

## Course Structure:

- 1) Review of Probability and Statistics
- 2) Review of Maximum likelihood and Method of Moments
- 3) Review of Linear Regression
- 4) Review of Models with Multiple Regressors
- 5) Bootstrap
- 6) Machine Learning
- 7) Bayesian methods

During the lectures you will learn:

- What are the key concepts in probability and statistics?
- Why and when to use maximum likelihood methods?
- What are the assumptions of the linear regression?
- How to provide hypothesis testing?
- When to use the non-linear regressions?
- What are the assumptions of multiple regressions model?
- How to provide joint-hypothesis testing?
- Why and when to use Bootstrapping?
- Why and when to use Machine Learning?
- Why and when to use Bayesian methods?

During the seminars you will learn:

- How to use statistical package R
- How to work with data sets
- How to provide a statistical analysis
- How to interpret and present your results

Prerequisites:

Probability Theory

Preferred previous courses: Statistics, Econometrics, Programming in R



## Economic and Monetary Union (EMU)

Seminar	Economics	6 ECTS	Type of Examination: Exam, Presentation and term paper	Jan Hattenbach Luzie Thiel Jochen Michaelis
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Thu 08:00 – 12:00 h, weekly 21.10.21 – 17.02.22

### Content:

This class is supposed to deal with important features and configurations of Economic and Monetary Unions (EMU). Interested students will gain insight into the economic concepts laying at the heart of optimal currency areas, their costs and benefits, and the corresponding implications for monetary and fiscal policy. Besides the theoretical foundations, the course will look at the implications of BREXIT for the both the UK and the EU as well as the economic implications of migration.

### Course Structure:

The course will be divided into two parts - a lecture part and a seminar part. There will be a kickoff-meeting at (date to be announced), where all organizational issues are clarified. The lecture part starts at (date to be announced) and is held by Jan Hattenbach and Luzie Thiel. This part ends with a midterm exam (date to be announced). The seminar part starts one week after the midterm exam. Each participant is required to give a presentation about a previously chosen topic. In addition, participants must write and hand in a supplementary seminar paper. At the kickoff-meeting we will describe each topic and inform about the allocation procedure.

### Course Requirements:

Graded: Presentation and seminar paper

- Ungraded but compulsory to pass to join the seminar: Midterm exam
- It is required to pass all parts of the course to earn a final grade
- Regular attendance is necessary. Active oral participation will be appreciated.

### Prerequisites:

Knowledge of VWL I + II + III (Micro-and Macroeconomics)

## Empirical Methods to Study Environmental Problems and Policies in Developing Countries

Seminar

Economics

6 ECTS

Type of  
Examination:  
Exam

Sven Christens

Thu 14:00 – 18:00 h, weekly t.b.a

### Content:

This reading course focuses on environmental challenges and environmental policies in developing countries. We will focus on articles using empirical methods. The course covers topics like the role of economic growth on the environment, the effect of climate change on agricultural productivity, climate migration, the effectiveness of environmental policies in developing countries, and climate equity.

Participants will be asked to prepare one or two research articles each week. Most of these articles use empirical methods. Part of this course consists of teaching the methods used in these studies.

### Requirements:

Knowledge in statistical or econometrical methods at Bachelor level.

## Evidence-Based Economic Policy

Lecture / Exercise	Economics	6 ECTS	Type of examination: Presentation and term paper	Guido Bünstorf
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Tue 14:00 – 18:00 h, weekly 19.10.21 – 15.02.22

### Content:

What works – and what does not? Identifying the effects of policy measures is as important as it is difficult. However, thanks to advances in experimental and quasi-experimental methods, researchers now have available a set of powerful analytic tools allowing them to inform policy makers about the effectiveness of policies. In this course, we will explore the potential, as well as limitations, of various approaches to policy evaluation. Applications will include studies from the economics of education, development and regional economics.

## Forecasting Methods for Big Data Using Machine Learning

Seminar	Business Studies	6 ECTS	Type of Examination: Exam	Vahidin Jeleskovic
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Tue, 16:00 – 20:00 h, weekly, date to be announced

### Content:

In this seminar, we put focus on the recent developments in forecasting methods regarding Big Data Analyses.

It has been shown that a better forecast can be achieved rather through the combination of different models than by the use of one individual model. Many theoretical and empirical studies have indeed demonstrated that certain application of different combinations, so-called "model-averaging", of individual models can dominate individual forecasts in many different areas of economics and finance. In one such model-averaging, each individual forecasting model is represented in the final forecast combination with certain weight which has to be estimated. Consequently, numerous methods have been proposed for the estimation of optimal weights in model-averaging that can be constant or varying with time. Moreover, methods from machine learning will be considered as well.

Students have to choose a topic for the application of model-averaging for Big Data and, most at the end of the first part of the course present their research topic. In the first presentation, students need to explain which is the variable of interest as well as the methods for the optimal forecast combination for this variable. Moreover, it should be clearly presented and shown how this survey would be conducted and how to apply a certain software for these purposes. Last, students shall share their thoughts with others in a sense what may show concrete benefits for theoretical or empirical research to be expected from their empirical project. The end of the semester is then followed by the second part of the course with the second presentation in which finale results and outlook will be presented. Until the end of the semester, the final seminar work should be finished and submitted.

## Foundations of Experimental Economics

Lecture	Economics	6 ECTS	Type of Examination: Exam	Björn Frank Christoph Bühren
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Fri 10:00 – 14:00 h, weekly 22.10.21 – 11.02.22

### Content:

While in summer term we offer specialized experimental economics seminars, in winter term this course in lecture format is intended to prepare for the seminars; it is highly recommended for anyone interested in one of the (experimental economics) seminars. Students who have taken on part on a regular basis and passed the exam are given priority when seminar places are allocated.

Without having taken part on a regular basis, one can still take part in the exam, this would be sufficient for obtaining credits, but not for being given priority.

Students who have neither taken part in the course nor taken part in the exam can also apply for seminar places in summer term as far as they are available.

Topics in this course, which in this semester will be taught by Dr. Christoph Bühren, Prof. Björn Frank and Dr. Elina Khachatryan, will include: Game Theory for Experimental Economics; History of Experimental Economics, Dos and Don'ts and Tools of Experimental Economics, Software, Non-Lab-Experiments, Data Analysis, Mathematical Models of Economic Behavior, Global Problems and Experimental Economics and Paper Writing.

## Introduction to Applications in Python for Economists

Lecture	Economics	6 ECTS	Type of examination: Exam	Minh Nhat Luong Björn Frank
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Fri 14:00 – 18:00 h, weekly 22.10.21 – 11.02.22

### Content:

Python is an incredibly popular language and has a large community. It has many uses from web developing to making video games, as well as scientific analysis such as machine learning. This course's goals are to (i) providing you basic programming skills using Python. This will then serve as the concrete foundation for further applications such as: (ii) Perform data analysis and data visualization using Python. (iii) create online experiments with Otree.

Prerequisite: This course is suitable for complete beginners without prior knowledge in programming. There is no requirement for mathematical skills, however, good basic calculus and algebra skills will surely help. Additionally, each student should bring their own laptop (preferably with Python already installed.) to every lecture.

### Part 1: Python basics --- 40% course length

This part will focus on basic knowledge of Python and programming in general. Including data types, lists, dictionaries, functions, if- while loops, and classes etc. These concepts are the same in almost any other programming languages.

### Part 2: Python applications

This part will focus on the applications of python on data analysis and visualization. We will take a look at some of the most widely use libraries in Python for this purpose such as matplotlib, NumPy, and Pygal.

This final part will provide you basic concepts of Django (a framework that helps you create interactive websites) in order to use

Otree effectively. Otree is an online open-source experimental tool that experimental economists could use to conduct in the lab, as well as online experiments. At the end of this course, you should be able to (at least) create some of the classic experimental games (public good games, dictator games, prisoner dilemma) and push them online.

This course is highly recommended for students interested in experimental economics and intended to take "Foundations of Experimental Economics", as well as the summer seminar in experimental economics "Quantitative Methods of Experimental Economics".

## Introduction to Text Mining

Lecture	Economics	6 ECTS	Type of examination: Exam	Guido Bünstorf
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Tue, 18:00 - 20:00 h, weekly 19.10.21 – 15.02.22  
Wed, 10:00 - 12:00 h, weekly 20.10.21 – 16.02.22

### Content:

This direction of econometrics examines cross-sectional micro data, i.e. data from persons, households, firms, but also from regions, countries, or even supermarket-scanner data. Empirical analyses with microdata and thus microeconometrics are often not based on quantitative continuous dependent variables with an unrestricted range, but on other types of dependent variables, i.e. qualitative (categorical) variables as well as quantitative variables which are not continuous or with a restricted range. This course provides an overview of the most important estimation methods and test procedures in selected microeconomic models. The focus will be on the practical application of the main concepts by analyzing real datasets using the statistical software Stata. Thus, the course consists of two parts, i.e. a lecture part and an integrated computer course.

### Prerequisites:

For this course we expect a good knowledge in common regression analysis, i.e. estimation methods and tests in linear regressions models.



## Microeconometrics

Lecture/ Exercise	Economics	6 ECTS	Type of examination: Exam	Gunnar Gutsche Thilo Haverkamp
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Lecture: Tue, 14:00 - 18:00 h, weekly 26.10.21 – 15.02.22

Tutorial: Tue, 18:00 - 20:00 h, weekly 26.10.21 – 15.02.22

### Content:

This direction of econometrics examines cross-sectional micro data, i.e. data from persons, households, firms, but also from regions, countries, or even supermarket-scanner data. Empirical analyses with microdata and thus microeconometrics are often not based on quantitative continuous dependent variables with an unrestricted range, but on other types of dependent variables, i.e. qualitative (categorical) variables as well as quantitative variables which are not continuous or with a restricted range. This course provides an overview of the most important estimation methods and test procedures in selected microeconomic models. The focus will be on the practical application of the main concepts by analyzing real datasets using the statistical software Stata. Thus, the course consists of two parts, i.e. a lecture part and an integrated computer course.

### Prerequisites:

For this course we expect a good knowledge in common regression analysis, i.e. estimation methods and tests in linear regression models.

## Organizational Resilience – How Organizations Master Uncertainty and Crises

Seminar	Business Studies	6 ECTS	Type of examination: presentation and term paper	Kijan Vakilzadeh Peter Eberl
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Fri, 10:00 – 12:00 h, 29.10.21 (kick off)  
09:00 – 18:00 h, block course 17.02.22 and 18.02.22

### Content:

Why do some firms fail, while others grow in face of a crisis? This question can be analyzed through the lens of organizational resilience. The roots of resilience are in the clinical psychology, where scholars examined in how far individuals are able to cope with adversity during childhood. Recently the resilience concept has been adopted to the organizational context.

In this seminar we will focus on resilience in small and entrepreneurial firms. For instance, it can be asked in how far does the founder's resilience influence the organization's capability to cope with crises and adverse events? Does the process of resilience building differ between small/entrepreneurial firms compared to large corporations?

- Individual resilience and how organizations can benefit from it
- The resilient entrepreneur
- Organizational resilience – A construct with diverse understandings?
- The characteristics and indicators of resilient organizations
- Organizational resilience and high reliability organizations – different capabilities for different circumstances?
- How is organizational resilience related to adaptive capacity?
- Does resilience building in start-ups (alternative SMEs) differ from resilience building in large corporations?

## Quantitative Empirical Research in Business

Seminar	Business Studies	6 ECTS	Type of examination: t.b.a	Stefan Seuring-Stella
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Mon, 08:00 – 18:00 h, weekly, 04.10.21 - 11.10.21

Wed, 08:00 – 18:00 h, weekly, 06.10.21 - 13.10.21

Fri, 08:00 – 18:00 h, weekly, 08.10.21 - 15.10.21

### Content:

The unit consists of three parts. Part I is an introductory lecture on experimental methods and designs. In addition, individual topics are assigned. Part II consists of a block course in which students run the individually assigned experiments. In addition, there is a lecture on data analysis of experiments. On part III, students present the experimental results of their own experiments run in part II, combined with a lecture on how to write a paper on experimental results.

## Risk Management

Lecture

Business  
Studies

6 ECTS

Type of  
examination:  
Exam

Boris Lehnert  
Christian Klein

Mon, 10:00 – 14:00 h, weekly 18.10.21 – 07.02.22

### Content:

The purpose of this course is to acquaint the participants with different dimensions of risk. Moreover, participants will also learn how to assess and minimize the risk in financial institutions using the different tools and rules.

Following is the list of course contents:

- 1) Introduction of risk and risk management
- 2) Risk Management processes
- 3) Structure and classification of risks
- 4) Quantitative risk measurement
- 5) Risk Management and Hedging
- 6) Default risk

## Stress at Work

Seminar

Economics

6 ECTS

Type of  
examination:  
Exam

Sandra Ohly

Tue, 18:00 - 20:00 h (Kick-off)

10:00 - 18:00 h, block, 28.02.22 - 04.03.22

### Content:

The seminar introduces students to the most important topics discussed in research on stress at work and stress management, including: Stressors & stress reactions, stress theories, coping strategies & resources, stress management interventions & occupational health management, stress diagnostics, recovery & recovery training, positive psychology interventions, and new challenges for stress management in today's working world. A special focus is on how theories and empirical results from research may be transferred to practice.

- Stressors & Stress Reactions
- Stress Theories
- Coping Strategies & Resources
- Stress Management Interventions & Corporate Health Management
- Recovery & Recovery Training
- Positive Psychology
- New Challenges for Stress Management in Today's Working World

## Supply Chain Management

Lecture  
/  
Seminar

Business  
Studies

6 ECTS

Type of  
Examination:  
Presentation,  
exam

Stefan Seuring-Stella

Mon 08:00 – 12:00 h, weekly 25.10.21 – 14.02.22

### Content:

The unit consists of lectures covering the following topics:

- Introduction to terminology
- Supply chain and operations strategy
- Theoretical foundations of supply chain management
- Supply chain processes
- Supplier selection and evaluation
- Logistics and distribution management
- Supply chain performance and management control
- Supply chain risk management
- Sustainable supply chain management

Thereby, the lectures extend knowledge on purchasing, operations and logistics management.

The lectures will be based on current research publication on supply chain management. So, readings will be assigned each week.

As a further mode of student involvement, each student will have to present at least one paper summary in class.

## Sustainable Supply Chains and Circular Economy

Lecture  
/  
Seminar

Business  
Studies

6 ECTS

Type of  
examination:  
t.b.a.

Biman Darshana  
Hettiarachchi  
Stefan Seuring-Stella

Wed, 08:00 – 12:00 h, weekly, 27.10.21 – 16.02.22

### Content:

The seminar requires a profound understanding in Supply Chain Management, so it is required that you completed the master class in Supply Chain Management already.