Courses taught in English - Bachelor level

Doing Business in Asia

Basic course data:
Instructor: Lüder Payson (c/o Prof. Dowling)
Lecture: 2 contact hours per week, Bachelor / Master level, ECTS credits: 4
Every Winter Semester

Class participation and a written project are required to pass the class.

Lecture Content:
With his many years of experience as the Head of the Asian Business of BMW, Mr. Paysen enables participants in this lecture to gain meaningful insights into the topic “Doing Business in Asia”. Based on his wealth of experience he will present the strategic and cultural challenges and issues which a new entrant will face in Asia. The aim of the lecture is to highlight the different styles of “Doing Business” in different countries, what it means to expand business to a new and different (emerging) country and to identify which key success factors are important. This lecture is an opportunity for students to learn from the experiences of a successful practitioner and to gain meaningful insights into the topic of International Management.

Schedule:
The lecture will take place in a sequence of 4 blocked lectures (2 - 6 p.m.) during the semester.

Grading of the lecture:
The grade is composed as follows:
Class participation: 50%
Project or written paper: 50%

Registration:
For registration please send an email to eva.baumann@wiwi.uni-regensburg.de.

Your registration email should contain the following information:
- Name
- Student Number (Matrikelnummer)
- Degree Program
- Major field of studies
- Number of semester
- Permanent email address

The lecture is limited to a maximum of 30 participants and a “First-Come-First-Serve-” rule will be used for allocation. The lecture can be imported as part of the elective courses (Wahlmodul).

International Management

Basic course data
Instructor: Prof. Dr. Michael Dowling
Lecture and Exercise course: 4 hours of instruction, 6 credits, Bachelor level
Every Winter Semester
The course is given in English and only during the winter semester.

**Content**

The concepts and techniques of business management will be expanded to global sectors and multinational enterprises during the course “International Management”. Furthermore, the corresponding concepts and techniques will be discussed in detail during the exercise by solving business cases. A focus is the analysis of the advantages and disadvantages of cooperative strategies and the difficulties of implementing global strategies, which, on the one hand, have to be adapted to local markets and, on the other hand, have to reach global cost advantages. The coordination and control of multinational enterprises is a further topic of this course.

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**Strategic Management**

**Basic course data**

*Instructor:* Prof. Dr. Michael Dowling  
*Lecture and Exercise course:* 4 hours of instruction, 6 credits, Bachelor level  
*Every Winter Semester*

The course only takes place in winter semester.

**Content**

The course illustrates the basic concepts and techniques of Strategic Management. Students will be able to establish action plans which contain the current and future developments of the enterprise and which allow decisions about financial and personal resources in order to reach long-term targets.

Case studies during the exercise hours will give an ongoing understanding of the basic concepts and techniques. The application of these concepts and techniques will enable the students to generate, choose and implement strategic options for an enterprise and to understand the reason for good and bad performances of different enterprises.

The main aspects of this course are the following:

- Content, targets, and basic problems of Strategic Management
- Instruments of Environment and Competition Analysis
- Instruments of Business Analysis
- Strategy Selection
- Strategy Implementation
- Strategy in specific sectors
Economic Growth

Basic course data
Instructor: Prof. Dr. Richard Frensch
Lecture and tutorial: 2 hour lecture + 2 hour tutorial (6 ECTS), Bachelor level
Every Winter Semester

Language of instruction: English. In lecture and tutorial, students may contribute in English or German, questions will be answered in English.

Content:

We will use various concepts of economic growth in order to (i) interpret growth processes in industrialized, developing and transition economies, and (ii) understand the limits of economic policy influence. Hands-on exercise will give the students opportunities to practice and deepen their understanding of the course material.

We pose three basic questions (see the textbook, Jones, 2002): (i) Why are we so rich and others so poor? (ii) What is the engine of economic growth? (iii) How to explain "economic miracles"? Attempts at answering these questions involve clarifying the respective roles of capital accumulation, technical progress, and institutions in long-term economic development.

References: Course material (in English and German) will be posted on G.R.I.P.S.

Literature:

Campos, Nauro and Fabrizio Coricelli, Growth in transition: what we know, what we don’t, and what we should. Journal of Economic Literature 40, 3, September 2002, pp. 793-836.

Additional reading will be recommended during the course

Learning Goals:
A. Introduction: Topics, questions and data. Developed, developing and transition economies
B. Exogeneous growth concepts
   • Unlimited supply of labor
   • Harrod-Domar
   • Application: The financing gap and development assistance
   • The Solow concept of growth
   • The Solow model without and with technical progress
   • Application: Growth implications of incentive problems in planned economies
   • Growth accounting
   • Natural resources
   • Human capital
   • Convergence
   • Application: Soviet economic decline
C. Technical progress and the economics of ideas
- What is technology?
- Problems of measurement

D. Endogeneous and semi-endogeneous growth concepts
- Innovation in the Romer model
- Technology transfer, growth and development
- Application: Product variety and transition
- AK models of growth

E. Institutions, policy and growth

Corporate Governance, Internal Control and Auditing

Basic course data:
Instructor: Prof. Dr. Axel Haller et al.
Block seminar: 5 days with each 4 hrs, Level: Bachelor (phase II) and Master, ECTS credits: 4
Every Winter Semester

Language of Instruction: English

Registration:
Interested students can register for this course via e-mail to our secretary: sonja.amann@wiwi.uni-regensburg.de

Contents:
The objective of this course is to reveal issues of the interdependence between the internal and external dimension of the corporate governance system. Corporate governance embraces among other aspects guidance with regard to the ethics in management, accounting and auditing as well as the handling of risks. Typical issues are the internal control system to assure the compliance with legal and statutory instructions and the management of corporate risks by in-stalling a risk management system. It is also important to consider the corporate responsibility. Another aspect is the internal and external audit of the control and risk management systems to guarantee and enhance their efficiency and effectiveness. For this reason auditing has a significant function in the corporate governance system. The course is primarily based on case studies and requires basic knowledge of financial accounting and auditing. Students will gain an understanding of corporate governance and the related role of auditing.

Financial Reporting in the USA

Basic course data:
Instructor: Guest lecturer,
Lecture: 4 weeks (6 hrs per week, including exam), Level: Bachelor (phase II) and Master, ECTS credits: 4
Every Summer Semester

Contents:
This course deals with the financial reporting practice in the USA and the connected requirements of the US capital markets. US Generally Accepted Accounting Principles (US GAAP) are still very important for the worldwide economy because the development of the International Financial
Reporting Standards (IFRS) is mainly influenced by the status quo and further progress of US GAAP. The knowledge of these accounting rules is also important to understand the change process and harmonization of accounting standards in Europe and worldwide, because both standard setters, the FASB (Financial Accounting Standards Board) and the IASB (International Accounting Standards Board), joined a convergence project with the final objective to create one set of globally used and accepted accounting and reporting standards. To understand this convergence process and the politics behind the course introduces the students to principles, the institutional framework and concrete standards of financial reporting in the USA in order to broaden students’ comprehension of national and international accounting standards. The course will be held by a visiting lecturer from the USA.

The German Economy

Basic course data:
Instructor: Prof. Dr. Christoph Knoppik
Lecture and tutorial: 2 hour lecture + 2 hour tutorial (6 ECTS), Language of Instruction: English
Every Summer semester

Content
An applied course on the German economy based on introductory economics. Basic economics as presented in introductory textbooks by Mankiw and Taylor (2014, 3rd ed.) [en] or Baßeler, Heinrich and Utech (2010, 19th ed.) [de] will be briefly reviewed and will serve as the basis for analysis. The focus of the course, however, is on policy relevant topics ranging from historic economic events over recent economic reforms to current debates on economic policy. Historic economic episodes and events in Germany like hyperinflation, banking crises, great depression, currency reforms, Wirtschaftswunder, stagflation, German reunification, European monetary integration, and European eastern enlargement continue to inform economists and policy makers and still shape people’s attitudes towards questions of economic policy. Recent (and some not so recent) reforms and policy changes include the introduction of the Euro, the reform of labour market institutions (Hartz I to IV), and many more. Current debates on economic policy and economic policy challenges range from the privatisation and regulation of former state monopolies to the current financial and economic crisis.

Target group
The course is primarily targeted at foreign exchange students who want to get acquainted with their host country’s economy and economic policy debate. The course language is English. The course is part of the 2nd phase of the bachelor program in economics. Some prior knowledge in economics is required. Local students from other departments might find the course interesting. Local students of VWL (economics), IVWL (international economics) and BWL (business administration) are also welcome. Notice that local students of BWL must not use the course as their required 2nd phase VWL course.
Real Estate Economics I

Basic course data
Instructor: Prof. Dr. Gabriel Lee
Lecture and tutorial: 4 hours of instruction, 6 credits, Bachelor level
Every winter semester

Content: The overall objective for this course is twofold: First, to inform students on a fundamental level about how real estate markets function, and second to engage in an ongoing discussion about the influence of policy, finance, and investment on real estate markets outcomes.

List of Topics
Some of the topics that will be covered in this class are listed below. Most likely, I will either add or delete other topics as we progress in this class.
1. The Real Estate Sector: The Capital and Property Markets
2. Location and Rents
3. Urban Growth, Rents and Prices
4. Residential real estate: Housing submarkets, Demand, supply and price factors, Hedonic Price Approach, The Filtering Model of Housing Market, Tenure choice - renting or owning a house, Housing Policies;
5. Non-residential real estate: Industrial location patterns, Office market analysis, Market analysis for retail space, Techniques of real estate markets analysis

Literature

Prerequisites
Sound knowledge in micro/macroeconomics, statistics, calculus and algebra

Target Group: Bachelor

Urban Economics

Basic course data:
Instructor: Prof. Dr. Gabriel Lee
Lecture and tutorial: 2 hour lecture + 2 hour tutorial (6 ECTS), Language of Instruction: English
Every winter semester

Content
This is a Bachelor course (upper level) for the specialization in Urban, Regional and Real Estate Economics. The overall objective of the course is to introduce the most important issues and topics in the study of cities and real estate markets, and to show how microeconomic principles can be used to critically analyze these problems. This course, thus, examines urban and real estate economics, illustrating how economic principles affect the demand for real estate, the operation of real estate markets, and the relationship between land use, land value and location. At the end of the course the students should be able to address questions of how the real estate markets
operate, how they relate to other markets, the reasons for government intervention, the forms of that intervention, the financing of housing in the public and private sectors and how policy might be evaluated.

### Decision support in Logistics

**Basic course data:**
- **Instructor:** Prof. Dr. Andreas Otto
- **Lecture and tutorial:** 2 hour lecture + 2 hour tutorial (6 ECTS), Language of Instruction: English on demand

**This course is offered in:** winter semester 2014/15, summer 2016, winter 2017/18

This course is computer based. Students have to practice several tasks with standard software and algorithms (among other methods) to strategic, tactical and operational logistical topics.

This course is taught in English.

**Assignments:**
- Several homework assignments, Exam: oral
  The participation in the re-examinations is - as usual - also open for students taking part for the first time. These examinations take place in the regular examination period. The exact dates will be indicated by the examination office - not by the chair.

**Contact:** Florian Kellner

Syllabus slides, literature: via e-learning (G.R.I.P.S.)

**Information for Students from abroad, taking part in the Erasmus-Program:**

Students who need a certificate of attendance are asked to contact the lecturer after each lecture and exercise in order to document their presence.

Students taking part in the courses and in examinations will receive certificates, where grades and ECTS are documented. As for Erasmus-Students a registration for the examinations usually is not possible via “flex now”, the registration can be done in our office. Information about the registration dates as well as about the examinations will be indicated in time on our homepage as well as on the information board in front of the library of economics (Teilbibliothek Wirtschaft).

**Announcement for Erasmus-Examination for the winter term 2014/15**

The date for the next oral examination for Erasm Students will be indicated in time.
Software Engineering I

Basic course data
Instructor: Harry Sneed, MPA
Lecture: 2 hours, 4 ECTS Bachelor level
Every winter semester

In case of general questions concerning this course please write an email to Michael Diener.

Content / Educational objectives:

Software Engineering (SE) is the systematic and engineering-driven process of the conceptualization and the development of Software. The major goal of this lecture is to give the students an overview about the involved steps and the most important methods and techniques that are used in the SE environment. Thereby the main focus is spotted on the analysis- and design-phase. Therefore the main focus of this course is on software project and product management. The course combines lectures with industrial case studies and practical exercises in software project management, both conventional and agile, to make the students capable of planning, estimating, organizing and monitoring small and medium size projects in a business environment. The lecture will be taught in English language.

Topics:
- Software Requirements Management
- Software Cost Management
- Software Project Management
- Software Quality Management
- Software Test Management
- Software Product Management
- Software Service Management

Examination:

40% based on Exercise Grades
60% based on the result of final Exam (60 minutes)

Behavioural Economics

Basic course data
Instructor: Nathan Carroll
Lecture and tutorial: 4 hours of instruction, 6 credits, Bachelor level
Every summer semester

Content
Behavioural Economics is a branch of economics that seeks to explain many of the departures of decision-makers from what would be predicted by standard economic theory. If you have ever paid for a gym membership and never gone, if you buy a lottery ticket but also buy insurance, if you have donated blood, drunk too much alcohol or given in to temptation your decision is not explainable by the standard theory. Behavioural economics makes use of knowledge from psychology to make sense of and construct alternative models of individual decisions.
In the course we will cover topics such as time inconsistent decision-making (why you don’t go to the gym as often as you like), loss aversion (why you buy a lottery ticket but also buy insurance), and the concepts of fairness, altruism and reciprocity (why you give blood and donate to charity). We will also consider the policy implications that arise from these departures from the standard theory.

Prior knowledge of game theory will be useful but not essential, a brief review of important concepts will be provided at the start of the course. Most of the material will be drawn from the textbooks by Cartwright (2011) and Camerer (2003)

**Literature**

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**Industrial Organization**

**Basic course data:**
- **Instructor:** Prof. Dr. Roider
- **Lecture and tutorial:** 2 hour lecture + 2 hour tutorial (6 ECTS),
- **Language of Instruction:** English
- **Every winter semester**

**Content**

“Industrial Organization is concerned with the workings of markets and industries, in particular the way firms compete with each other.” (Cabral, 2000). This course provides an introduction to Industrial Organization (IO). In particular, we will focus on firms’ strategies in environments of imperfect competition (rather than monopoly or perfect competition). We will explore issues such as pricing, product positioning, market entry, capacity choice, advertising, and research and development (R&D).

Most of the material covered can be found in well-known textbooks such as Shy (1996), Cabral (2000), Motta (2004), or Bester (2010). For more advanced textbooks at the graduate and post-graduate levels, see e.g., Tirole (1988), and Belleflamme and Peitz (2010). Finally, Gibbons (1992), Watson (2002), and Holler and Illing (2003) are recommended as introductory texts on Game Theory, which is an important analytical tool in Industrial Organization.

**References:**
Labour Economics

**Basic course data**
**Instructor:** Nathan Carroll
**Lecture and tutorial:** 2 hour lecture + 2 hour tutorial (6 ECTS), Bachelor level
**Every winter semester**

The objective of the course is to give students an understanding of how labour markets work and to provide them with an understanding of the likely effects of government policies in the domain of the labour market. The course will feature theoretical models and will sample from the empirical literature. We will seek to answer questions such as: What is the effect of raising unemployment benefits on employment levels? Does implementation of a minimum wage increase unemployment? What is the value of a University degree on the labour market? Students will be made familiar with empirical approaches used in labour market studies in order that academic articles may be critically assessed.

Topics to be featured include: Labour supply; Labour demand; Wage formation; Education and Human Capital; Job Search; Labour Market Policies; Discrimination; Migration.

**References:**

The main texts for the course are Borjas (2013) and Cahuc & Zylberburg (2004). Both texts feature almost all topics featured in the course. The Cahuc & Zylberburg book is a graduate text that provides a more concise coverage than the undergraduate text of Borjas. Angrist & Pischke (2009) is recommended to support understanding of the empirical discussion in the course.


Principals of Corporate Finance

**Basic course data**
**Instructor:** Prof. Dr. Klaus Röder
**Lecture and tutorial:** 2 hour lecture + 2 hour tutorial (6 ECTS), Bachelor level
**Every winter semester**

The aim of the course is to prepare international students to capital markets theory. In particular, the course will highlight bond valuation, stock valuation, risk valuation, and estimation of costs of capital. The topics covered in the course include special focus on the German capital market: bond trading, stock trading, exchanges in Germany. Students should have a copy of the first 13 chapters of Berk/DeMarzo, Corporate Finance (2014, 3rd Edition). The course will be based on this textbook.

The grading is based on a written exam and student presentations.
The course is exclusively aimed at international students and limited to max. 12 participants. For application please contact: christian.walkshaeusl@wiwi.uni-regensburg.de

**Human Resource Management Seminar**

**Basic course data**  
**Instructor:** Prof. Dr. Thomas Steger  
**Seminar:** 2 hours of instruction, 8 credits, Bachelor level  
**Every winter semester**

**International and Intercultural Human Resource Management**

**Basic course data**  
**Instructor:** Prof. Dr. Thomas Steger  
**Lecture and Tutorial:** 4 hours of instruction, 6 credits, Bachelor and Master level  
**Every summer semester**

The course requirements comprise a written exam at the end of the course (50%) and several individual and group achievements to be done in the exercise during the semester (50%). A success pass in this course is worth 6 Credits.

In this master level course, Human Resource Management (HRM) will be explored in-depth in a broader international and intercultural context. It starts with the analysis and discussion of the most relevant theories and concepts of both international business and intercultural management. Furthermore, the different functions of modern HRM will be examined with particular respect to their international and intercultural background. Finally, some selected problem issues of the international and intercultural HRM will be discussed.

The tutorial will deepen the topics covered in the lecture. Students will work as teams on scientific texts and case studies.

The objective is to illuminate various aspects of international human resource management. An additional objective is to improve reading, comprehension, presentation and discussion skills with respect to scientific primary texts.

**Monetary Theory and Policy**

**Basic course data**  
**Instructor:** Prof. Dr. Jürgen Jerger  
**Lecture and Tutorial:** 4 hours of instruction, 6 credits, Bachelor level  
**Course is taught in English on request.**  
**Every winter semester**
Corporate Finance in English - Tutorial

Basic course data

Instructor: Gerhard Halbritter (MSc)
Tutorial: 2 hours of instruction, 2 credits, Bachelor level
Every summer semester

The weekly lecture “Corporate Finance” will be taught in German, but based on an English textbook. The additional tutorial in English will provide further assistance for international students, who can take the examination optionally in English or German. The lecture is a core course of the second half of the undergraduate studies and requires fundamental knowledge of finance, mathematical finance, investment and financial institutions. This course aims to provide students with basic financial decision making concepts of corporations, the CAPM (Capital Asset Pricing Model) and valuation techniques regarding companies, bonds and stocks.


Grading:

There will be a final exam (60 minutes) which covers both theoretical and computational questions. For successfully passing the course (4 SWS) 6 ECTS could be earned. More details will be presented here in time.

The additional tutorial in English language will provide further assistance for international students, who can take the examination optionally in English or German. It covers exercises concerning the lecture. We strongly recommend to solve the exercises, independently before the tutorial. Bonus points: By solving a case study up to five bonus points (8.33% of total score) can be earned for the final exam. The case can also be solved by groups of no more than four persons.

Strategic Business Marketing

Basic course data

Instructor: Prof. Dr. Roland Helm
Lecture and tutorial: 4 hours of instruction, 6 credits, Bachelor level

Please note: This course is taught in German. However, if an international student would rather have the instruction in English, some parts are taught in English, too (after the lecture). Please contact the instructor for further information.
The case study tutorial, the presentation and the course material are in English. The examination can optionally be taken in English or German.

Please contact the Professor for a course description in English. Contact: sigm@wiwi.uni-regensburg.de (Ms Sigrid Mittermeier)

Content:

The more focused perspective of Marketing at a basic level will be expanded to a broader and holistic, more strategic planning of the marketing activities of a business unit. The focus will be found in the area of B2B-Marketing. Topics are 1) Basics of marketing planning and strategy development, 2) Planning and control in strategic marketing, 3) Marketing organization, 4) Strategic analysis- and planning-tools, 5) Marketing research and marketing intelligence, 6) Market definition and segmentation, 7) Development of basic marketing strategies, 8) Market entry strategies.

Literature Seminar on Real Estate Economics

Basic course data:

Instructor: Prof. Dr. Gabriel Lee, et al.
Seminar, 3 hours per week (6 ECTS), Language of Instruction: English, Bachelor
Every winter semester

This block seminar brings students in direct contact with the current real estate economics literature. Candid and critical discussion of current literature and industry issues is followed by a question-and-answer period.

Practical Seminar for Bachelor Students in Business Information Systems

Basic course data

Instructor: Prof. Dr. Günther Pernul
Seminar: 2 hours of instruction, 8 credits, Bachelor level

Content:

The goal of the Practical Seminar is to prepare bachelor students for writing their bachelor thesis. While attending this seminar, the students design practical solutions for specific IT-problems, dealing with current research topics within a short timeframe (1 term). During the research phase the students will obtain support by the staff members of our research team. At the end of the term students have to present their research results to all participants of the Practical Seminar. Additionally, each student group has to write a small thesis (almost 20-30 pages) in order to document the achieved research results. The Practical Seminar can also be done as group work (2-3 students). The following list presents a short overview of the past topics of the Practical Seminar:

- Improving program-code of a tool for IT-Security management (Java, Hibernate Database)
- Website-Revision by implementing current website design elements
- Composing automated software tests
- Implementation of Role-Mining algorithms for Data analysis
- Creation of the test-environment for identity management
Identity- and Access-Management between various organizations
Trust for Cloud Computing
aOpenID – the own smartphone as personal Identity provider
Web-based scenario for social web identity management
Adaption and Enhancement of a specific Firefox Plugin

The course is taught in English on request.

Human Resource Management

Basic course data
Instructor: Prof. Dr. Thomas Steger
Lecture and Exercise Course: 4 hours of instruction, 6 credits, Bachelor level
Every winter semester

IMPORTANT NOTE FOR FOREIGN EXCHANGE STUDENTS

Although this course will be taught in German, foreign exchange students, if they so wish, can elect to sit an oral exam in English based on an English textbook. In addition, the necessary coursework (presentation, essay) can also be completed in English. Students interested in doing this should contact the secretary’s office at: sekretariat.fo@wiwi.uni-regensburg.de

Organizational Behaviour

Basic course data
Instructor: Prof. Dr. Thomas Steger
Lecture and Exercise Course: 4 hours of instruction, 6 credits, Bachelor level
Every summer semester

IMPORTANT NOTE FOR FOREIGN EXCHANGE STUDENTS

Although this course will be taught in German, foreign exchange students, if they so wish, can elect to sit an oral exam in English based on an English textbook. In addition, the necessary coursework (presentation, essay) can also be completed in English. Students interested in doing this should contact the secretary’s office at: sekretariat.fo@wiwi.uni-regensburg.de

Econometrics I

Basic course data
Instructor: Prof. Dr. Rolf Tschernig
Lecture and Exercise course: 4 hours of instruction, 6 credits, Bachelor level
Every winter semester
The Lecture is taught in German but there is an exercise course in English. Slides of the lecture will be available in English and German.

Quantitative Economics

**Basic course data**
**Instructor:** Prof. Dr. Enzo Weber
Lecture and Exercise course: 4 hours of instruction, 6 credits, Bachelor level

**Every winter semester**

The course is taught every winter semester

Empirical economics combines economic theory, data and statistical methods for answering questions of economic policy. This lecture focuses on empirical approaches in macroeconomic analysis. Typical issues presented include theories of interest rate parity, money demand or the Phillips curve. As a second component, techniques of time series econometrics as the relevant methodology are introduced, covering dynamic single-equation modelling, non-stationarity, vector autoregressive processes and cointegration. Economic and econometric principles are then combined in empirical examinations carried out in computer tutorials, going along with the theoretical lectures.

**Prerequisites:**
Basic knowledge of econometrics mandatory, time series analysis recommended. English on demand.

Empirical Economics - Seminar

**Basic course data**
**Instructor:** Prof. Dr. Enzo Weber / Dr. Sabine Klinger
Seminar: 2 hours of instruction, 6 credits, Bachelor level

**Every summer semester**

**Content:**
The seminar offers the chance to conduct an own study in empirical economics. The focus is on macroeconometrics, but also the fields of micro- and financial econometrics can be considered. In addition to the topics listed below own proposals are welcome. The work comprises motivation of the study, theoretical foundation, data search, empirical application using appropriate software and interpretation of the results. Applications for the seminar including a preference list of three topics should be sent to enzo.weber@wiwi.uni-regensburg.de.

**Possible topics:**
Money Demand / Monetary Policy Rules (Taylor) / Purchasing Power Parity / Uncovered Interest / Rate Parity / Term Structure of Interest Rates / Labour Market Matching Function / Real Income Convergence / Consumption Function / Okun’s Law / Phillips-Curve

**Prerequisites**
Basic knowledge in economics and econometrics plus at least one further econometrics course.
 courses taught in english –
master level

doing business in asia

**basic course data:**
**instructor:** lüder paysen (c/o prof. dowling)
**lecture:** 2 contact hours per week, master level, ects credits: 4
**every winter semester**

class participation and a written project are required to pass the class.

**lecture content:**
with his many years of experience as the head of the asian business of bmw, mr. paysen enables participants in this lecture to gain meaningful insights into the topic “doing business in asia”. based on his wealth of experience he will present the strategic and cultural challenges and issues which a new entrant will face in asia. the aim of the lecture is to highlight the different styles of “doing business” in different countries, what it means to expand business to a new and different (emerging) country and to identify which key success factors are important. this lecture is an opportunity for students to learn from the experiences of a successful practitioner and to gain meaningful insights into the topic of international management.

**schedule:**
the lecture will take place in a sequence of 4 blocked lectures (2 - 6 p.m.) during the semester.

**grading of the lecture:**
the grade is composed as follows:
class participation: 50%
project or written paper: 50%

**registration:**
for registration please send an email to eva.baumann@wiwi.uni-regensburg.de.

your registration email should contain the following information:

- name
- student number (matricelnummer)
- degree program
- major field of studies
- number of semester
- permanent email address

the lecture is limited to a maximum of 30 participants and a “first-come-first-serve-” rule will be used for allocation. the lecture can be imported as part of the elective courses (wahlmodul).
Strategic Management

Basic course data
Instructor: Prof. Dr. Michael Dowling
Lecture and Exercise course: 4 hours of instruction, 6 credits, Bachelor and Master

The course only takes place in winter semester.

Content

The course illustrates the basic concepts and techniques of Strategic Management. Students will be able to establish action plans which contain the current and future developments of the enterprise and which allow decisions about financial and personal resources in order to reach long-term targets.

Case studies during the exercise hours will give an ongoing understanding of the basic concepts and techniques. The application of these concepts and techniques will enable the students to generate, choose and implement strategic options for an enterprise and to understand the reason for good and bad performances of different enterprises.

The main aspects of this course are the following:

- Content, targets, and basic problems of Strategic Management
- Instruments of Environment and Competition Analysis
- Instruments of Business Analysis
- Strategy Selection
- Strategy Implementation
- Strategy in specific sectors

Corporate Governance, Internal Control and Auditing

Basic course data:
Instructor: Prof. Dr. Axel Haller et al.
Block seminar: 5 days with each 4 hrs, Level: Bachelor (phase II) and Master, ECTS credits: 4
Every winter semester

Language of Instruction: English

Registration:
Interested students can register for this course via e-mail to our secretary: sonja.amann@wiwi.uni-regensburg.de

Contents:
The objective of this course is to reveal issues of the interdependence between the internal and external dimension of the corporate governance system. Corporate governance embraces among other aspects guidance with regard to the ethics in management, accounting and auditing as well as the handling of risks. Typical issues are the internal control system to assure the compliance with legal and statutory instructions and the management of corporate risks by installing a risk management system. It is also important to consider the corporate responsibility. Another aspect
is the internal and external audit of the control and risk management systems to guarantee and enhance their efficiency and effectiveness. For this reason auditing has a significant function in the corporate governance system. The course is primarily based on case studies and requires basic knowledge of financial accounting and auditing. Students will gain an understanding of corporate governance and the related role of auditing.

**Financial Reporting in the USA**

**Basic course data:**
Instructor: Guest lecturer,
Lecture: 4 weeks (6 hrs per week, including exam), Level: Bachelor (phase II) and Master, ECTS credits: 4
Every summer semester

**Contents:**
This course deals with the financial reporting practice in the USA and the connected requirements of the US capital markets. US Generally Accepted Accounting Principles (US GAAP) are still very important for the worldwide economy because the development of the International Financial Reporting Standards (IFRS) is mainly influenced by the status quo and further progress of US GAAP.

The knowledge of these accounting rules is also important to understand the change process and harmonization of accounting standards in Europe and worldwide, because both standard setters, the FASB (Financial Accounting Standards Board) and the IASB (International Accounting Standards Board), joined a convergence project with the final objective to create one set of globally used and accepted accounting and reporting standards. To understand this convergence process and the politics behind the course introduces the students to principles, the institutional framework and concrete standards of financial reporting in the USA in order to broaden students’ comprehension of national and international accounting standards. The course will be held by a visiting lecturer from the USA.

**Marketing Research**

**Basic course data:**
Instructor: Prof. Dr. Hruschka
2 hour lecture + 2 hour tutorial (6 ECTS),
Language of Instruction: English
Master level
Every winter semester

This lecture deals with the acquisition and analysis of data which are relevant for marketing decisions. The first part of the lecture focuses on data acquisition and sampling. The second part presents both widespread and more advanced methods of data analysis.

**Topics:**
- Questionnaire Design and Scale Development
- Sampling
- Missing Data and Basic Data Analysis
Dynamic Microeconomics

**Basic course data:**
Instructor: Prof. Dr. Gabriel Lee, et all  
2 hour lecture + 2 hour tutorial (6 ECTS),  
Language of Instruction: English  
Master level

The course only takes place in winter semester.

This is a mandatory course for the Master students in economics. The overall objective of the course is to introduce the issues and topics in the study of modern macroeconomics. We will begin with basic stylized facts about business cycles. Using the methods and techniques of growth theory models, we then move onto models of business cycles, especially the real business cycle theory. Along the way, we will also develop some useful modeling tools: namely, dynamic programming, discrete state Markov processes, and solution methods for linear rational expectations business cycle models.

Real Estate Economics II

**Basic course data**  
**Instructor:** Prof. Dr. Gabriel Lee  
Lecture and tutorial: 4 hours of instruction, 6 credits, Master level

**Comment:**

The overall objective for this course is to apply a set of the econometric techniques that is relevant in analyzing some of the issues in real estate markets. Some of the issues we will be addressing in this course are, housing markets, real estate cycles, regional economics, problems of the inner city, discrimination in housing and credit markets, and alternative public policy responses to urban problems. The course is designed to expose students to data on real estate (urban) markets, and hence, students are required to use econometric software tools such as E-Views, Matlab, RATS, etc.

**Some Remarks:** This course is NOT an econometrics course per se. That is, the course is NOT meant to go deep into the theory of time series, cross-sectional, panel data, Bayesian, spatial, etc. estimations, but rather the course focuses and utilizes on econometric tools that are relevant to real estate market issues.
List of Topics
Some of the econometrics topics that will be covered in this class are listed below. Purposely, this list is not complete and not very detailed: I will post real estate issues that are relevant to these econometric methods as the course progresses.

1. Introduction
   - Means, Standard Deviation, Covariance and Correlation
   - Least Squares
   - Maximum Likelihood
   - The Distribution of \( b \)
   - Diagnostic Tests
   - Testing Hypotheses about \( b \)
   - Applications to Simple Bid-Rent function

2. Instrumental Variable Method
   - Consistency of Least Squares
   - IV for Measurement Errors
   - IV for Lagged Dependent Variable + Autocorrelated Shocks
   - IV for Simultaneous Equations Bias (and Inconsistency)
   - Definition of the IV Estimator-Consistency of IV
   - Hausman’s Specification Test
   - Tests of Overidentifying Restrictions in 2SLS
   - Non-Spherical Errors
     - Heteroskedasticity
     - Autocorrelation
     - The Newey-West Estimator
   - Applications to Various Real Estate Demand and Supply Functions

3. Time Series
   - Least Squares
   - Vector Autocorrelation Regression (VAR)
   - Estimation
   - Canonical Form
   - Moving Average Form and Stability
   - Forecasts Forecast Error Variance
   - Forecast Error Variance Decompositions
   - General Method of Moments (GMM): If time permits!
   - Applications to Various Time Series Real Estate Data Set including CAPM
   - financial data set

4. Discrete Choice
   - Logit, Probit, Tobit
   - Applications to Loan and Default data

Literature:

   Prerequisite: AT LEAST ONE introduction to econometrics course OR the consent of instructor.
Decision support in Logistics

Basic course data:
Instructor: Prof. Dr. Andreas Otto
Lecture and tutorial: 2 hour lecture + 2 hour tutorial (6 ECTS),
Language of Instruction: English on demand

This course is offered in: winter semester 2014/15, summer 2016, winter 2017/18

This course is computer based. Students have to practice several tasks with standard software and algorithms (among other methods) to strategic, tactical and operational logistical topics.

This course is taught in English.

Assignments:
Several homework assignments, Exam: oral
The participation in the re-examinations is - as usual - also open for students taking part for the first time. These examinations take place in the regular examination period. The exact dates will be indicated by the examination office - not by the chair.

Contact: Florian Kellner

Syllabus slides, literature: via e-learning (G.R.I.P.S.)

Information for Students from abroad, taking part in the Erasmus-Program:

Students who need a certificate of attendance are asked to contact the lecturer after each lecture and exercise in order to document their presence.

Students taking part in the courses and in examinations will receive certificates, where grades and ECTS are documented. As for Erasmus-Students a registration for the examinations usually is not possible via “flex now”, the registration can be done in our office. Information about the registration dates as well as about the examinations will be indicated in time on our homepage as well as on the information board in front of the library of economics (Teilbibliothek Wirtschaft).

Announcement for Erasmus-Examination for the winter term 2014/15

The date for the next oral examination for Erasm Students will be indicated in time.

Software Engineering II

Basic course data
Instructor: Harry Sneed (MPA)
Lecture: 2 hours of instruction, 4 credits, Bachelor and Master level
Every summer semester

Content: Software Engineering II
The course intensives the topics and skills of Software Engineering I and will be though in English language. The focus on Software Engineering II focuses on the development of IT-application systems which bases on pre-built services (Service-oriented Software Development). Unlike developing individual software, students learn to select sufficient software elements from a variety of available software services, composing the required functions which fit best to the required
business processes. Therefore it is necessary to model the business processes in respect of the
designated services. The services itself and their quality need to be tested, before they are
productively used. Service-oriented Software Engineering demands innovative approaches, which
will be thought theoretical and practical in this course. For this purpose the students learn all steps
in the development process, beginning with the requirement analysis, to the programming part,
right up to the test and the release of the designed system. As part of a consistent case study, the
participants of the course retain the opportunity to apply their already acquired knowledge by the
usage of programming languages, i.e. SoamL, UML, OCL, XML, SQL, JAVA, BPEL and WSDL.
At the end of the course the students should have the ability to deal with a medium-complex
development project. Moreover, they practice to specify service requirements, to model services
with SoamL and UML, to encapsulate services by the usage of Java and to launch them with the
help of BPEL. Finally they learn how to test single and combined services. The major focus of this
course bases on the practical execution, working in small groups up to three students to solve the
tasks. We expect from the participants that they will continuously take part within the service-
based application development from the beginning up to end of the course, whereby they need to
solve all subtasks. The final goal of this course is that students fully understand the concepts of
the service-oriented software development.

Table of contents:

- Business System Modelling (Enterprise Modelling, Service Modelling, Business Process
  Modelling, Data Modelling, Service-oriented Architectures).
- Business-Service Requirement specifications (Service-Requirements Analysis, Service-
  Requirement Specification, Use-Case Specification, Service-Interface Specification, Service-
  Operations, Service-Database Design).
- Business-Service Design (Object-oriented Design, UML-supported Object Modelling,
  Application-Modelling with UML, Defining business rules with OCL - Object Constraint
- Business-System Implementation (Object-oriented programming, Java, WSDL-Interface
  Design, Database Design with XML and SQL, Test-driven development, Programming
  Conventions).
- Business-Service Integration (Enterprise Application Integration - EAI, Process control with
  BPEL for Web Services, Encapsulation of legacy software components, SOA Migration,
  Generating Web Services by inspecting existing program code, Service Integration within
  the business processes).
- Preparation of Service-Tests (Specification of service-tests, Requirement-based service
  tests, Generating Test-cases from Service-specifications, Interface-based Integration-tests,
  Generating Test-data for services, Test-case and Test-data tables, Test scripts).
- Service-Testing (Distributed System-Tests, System-Test Documentation, System-Test
  Automation, Web Service Testing, Request-Generation, Response-Validation, Web Service
  Evaluation).
- Business-System Documentation (Reverse Engineering Techniques, Follow-up
  documentation, Architecture of a System-Repository, Software-Evolution, Incremental
  development, Help functions, Embedded User Documentation).

Practical assignment:
As a use-case example serves an integrated order management process with provisions,
transportation, logistics and financial accounting. The interim results of the exercise will be
handed in each week and the grades of a team are valid for all team members. The results of the
completed exercise counts 40% of the final grade, whereas the other 60% will be obtained by
taking part in the final exam at the end of the course.
Empirical Methods in Real Estate

Basic course data:
Instructor: Prof. Dr. Steffen Sebastian
Lecture, 2 hours per week
Language of Instruction: English
Master level
Every winter semester

Contents
This is an introductory course for master students interested in empirical study of real estate investment and finance. The course familiarizes students with major econometric models that are commonly used in real estate research. The lecture covers linear regression, time series model, logistic regression, factor analysis and cluster analysis. The lecture is practice oriented and is combined with computer exercises using Eviews and SPSS. All the data used in this lecture are from Thomson Datastream or other vendors of real estate data.

Prerequisite: Econometrics I

Empirical methods in regional and urban economics

Basic course data
Instructor: Dr. Bing Zhu c/o Prof. Dr. Steffen Sebastian
Lecture and Tutorial: 4 hours of instruction, 6 credits, Master level
Every summer semester

Contact: (bing.zhu@wiwi.uni-regensburg.de)

Eligibility: Elective lecture for master students in quantitative economics or for real estate economics.

Previous Knowledge: „Empirical Methods in Real Estate“ or Ökonometrie I

Description:
This is an in-depth course for master students interested in empirical study of Regional and Urban Economics. In the end, the students are expected to be able to analyze economic phenomena using econometric models with the help of specialized Software. Students oriented for academic or corporate researches to provide decision support for large banks, institutions or governments are particularly encouraged to attend the lecture.

The lecture will be totally practice oriented and focuses on computer exercises using Matlab. However, programing skills are not required. All of the programs and codes used in the lecture will be distributed to students. Students will get familiar with how to look for real data and empirically investigate regional and urban economic theories in the real-world. The lecture introduces three kinds of regressions. It starts with the simple cross-sectional OLS model in the context of location decisions, then followed by empirical measurement for the spatial dependence, which is useful for testing externality effects in regional markets. Consequently, the lecture provides students some
knowledge on panel data analysis. It can help to support policy decisions and make investment judgments based on regional analysis.

Table of Contents: Chapter 1 Cross-sectional data model
- Cross-sectional regression and OLS estimator
- Goodness of fit evaluation • Diagnostics Tests

Chapter 2 Spatial econometric model
- Spatial correlation
- Spatial economic models (SAR, SEM)
- Model evaluation and diagnostics

Chapter 3 Panel data model
- Panel data
- Fixed effect model
- Random effect model

Exam form: final homework, the assignment will be distributed in the middle of semester.

Literature:


Real Estate Finance II

Basic course data:
Instructor: Prof. Dr. Steffen Sebastian
Lecture, 2 contact hours per week
Level: Master
ECTS credits: 6
Every winter semester

This course familiarizes students with concepts of real estate finance and investment.

The lecture covers techniques of real estate valuation and investment analysis, the effects of the use of debt in the financing of real estate projects and associated tax effects. Furthermore, mortgages are evaluated from an investment perspective.
Literature: Geltner, Miller, Clayton and Eichholtz (2013): Commercial Real Estate – Analysis & Investments

Prerequisites: Basic Principles of Investment Calculations

Assessment: written examination

Contents:

Part 1 Real Estate Valuation and Investment Analysis
- The Basic Idea: DCF and NPV
- Nuts and Bolts for Real Estate Valuation: Cash Flow Proformas and Discount Rates
- Advanced Micro-Level Valuation

Part 2 Completing the Basic Investment Analysis Picture
- Use of Debt in Real Estate Investment: The Effect of Leverage After-Tax Investment
- Analysis of Corporate Real Estate
- Real Estate Investment Capital Structure

Part 3 Mortgages from an Investment Perspective
- Mortgage Basics I: An Introduction and Overview
- Mortgage Basics II: Payment, Yields, and Values
- Commercial Mortgage Analysis and Underwriting
- Commercial Mortgage Economics and Investment
- Commercial Mortgage Backed Securities

Real Estate Investment

Basic course data
Instructor: Prof. Dr. Steffen Sebastian
Lecture: 2 hours of instruction, 4 credits, Bachelor level
Every summer semester

Content:
In Real Estate Investment students will gain knowledge in general investment theories with implications specific to real estate. Moreover, students will analyze the features of various direct and indirect real estate products – net and bond assets alike, which are being traded in public and private. Students will also have the opportunity to understand and evaluate their application to portfolio theory and asset allocation.

Contents:
- Real Estate as an Investment: Some Background Information
- Real Estate Indices and Appraisal Smoothing
- Real Estate Equity Securitization
- Portfolio Theory and Real Estate
- CAPM and Real Estate
- Real Estate Derivatives
- Constructing Property Portfolios
Recommended Reading:

International and Intercultural Human Resource Management

Basic course data
Instructor: Prof. Dr. Thomas Steger
Lecture and Tutorial: 4 hours of instruction, 6 credits, Master level
Every summer semester

The course requirements comprise a written exam at the end of the course (50%) and several individual and group achievements to be done in the exercise during the semester (50%). A success pass in this course is worth 6 Credits.

In this master level course, Human Resource Management (HRM) will be explored in-depth in a broader international and intercultural context. It starts with the analysis and discussion of the most relevant theories and concepts of both international business and intercultural management. Furthermore, the different functions of modern HRM will be examined with particular respect to their international and intercultural background. Finally, some selected problem issues of the international and intercultural HRM will be discussed.

The tutorial will deepen the topics covered in the lecture. Students will work as teams on scientific texts and case studies.

The objective is to illuminate various aspects of international human resource management. An additional objective is to improve reading, comprehension, presentation and discussion skills with respect to scientific primary texts.

Applied Financial Econometrics

Basic course data
Instructor: Prof. Dr. Tschernig
Every summer semester

Lecture and tutorial: 4 hours of instruction, 6 credits, Bachelor level

Aim of the Course:
Participants of this course study the theory and practice for modeling univariate (financial) time series. Students perform empirical projects including programming tasks in R.
The course is taught in English (on request German).

Course Outline
The basics of time series modeling: autoregressive and moving average processes
Forecasting (financial) time series
More on time series modeling: unit root tests and diagnostic tools
Modeling volatility dynamics: ARCH, GARCH, and TGARCH models as well as appropriate maximum likelihood estimators and their properties
Long-run forecasting
Explaining returns and estimating factor models

**Prerequisites:**
A prerequisite for the participation in the course Applied Financial Econometrics is the participation in the course Econometrics I or an equivalent course.

The course Applied Financial Econometrics is a compulsory part of the study specializations Empirical Economics and Financial Markets for economics, an optional compulsory part of the study specialization Corporate Finance for business administration, and optional for all other students.

**Literature**

Basic textbook(s):

Additional Reading: Introductory level:

Graduate level:

German Reading:
Theory of West-East Trade

Basic course data
Instructor: Prof. Dr. Lutz Arnold
Lecture and Tutorial: 4 hours of instruction, 6 credits, Master level
Every summer semester

Course content:

The traditional trade theory predicts factor price equalization (given incomplete specialization). Intensified trade with the CEE countries as well as with the far eastern emerging economies calls for a theory of trade that is based on wage differentials. This task is accomplished by the "North-South trade theory" invented by Paul Krugman and developed further by Gene Grossman and Elhanan Helpman, among others, which nowadays is more appropriately called "West-East trade theory".

In this lecture, we first review the traditional trade theory and show how factor price equalization emerges as a corollary of the more general property that the world economy replicates the equilibrium of a hypothetical integrated economy. We then turn to the intra-industry trade theory also pioneered by Krugman, which maintains replication and therefore factor price equalization, however. Using the building blocks of this theory, we consider both the static and the dynamic versions of Krugman’s West-East model and add unemployment. Finally, we integrate, following Grossman and Helpman, endogenous growth into the West-East model.

Literature Seminar on Real Estate Economics

Basic course data:
Instructor: Prof. Dr. Gabriel Lee, et al.
Seminar, 3 hours per week (6 ECTS), Master
Language of Instruction: English
Every summer semester

This block seminar brings students in direct contact with the current real estate economics literature. Candid and critical discussion of current literature and industry issues is followed by a question-and-answer period.

Business Engineering

Basic course data
Instructor: Prof. Dr. Susanne Leist-Galanos
Lecture and Tutorial: 4 hours of instruction, 6 credits, Bachelor level
Every summer semester
Business Engineering methods and techniques support the analysis and the design of efficient information and communication systems. In doing so, methods and techniques take different perspectives such as the examination of information flows (by means of Business Process Modelling), the description of information structures (by means of data or object models), the representation of relevant aspects of business strategy, or the description of the architecture of information systems. At the same time methods and techniques integrate the different perspectives taken so that in case of modifications inconsistencies are avoided. Building on the knowledge gained in the introductory lecture on Business Modelling (Bachelor), this lecture concentrates on furthering the knowledge of methods and techniques in Business Engineering. It is the objective of the lecture to show students which methods and techniques are available to design enterprise strategies, in which way they can be appropriately applied, and how their integration may be ensured. Additionally, current topics of Business Engineering such as tools for Business Engineering or Method Engineering are addressed.

Management Information Systems

Basic course data
Instructor: Prof. Dr. Susanne Leist
Theoretical Seminar: 2 hours of instruction, 6 credits, Master level
Every winter semester

Practical Seminar (Business Information Systems) for Master Students

Basic course data
Instructor: Prof. Dr. Günther Pernul
Seminar: 2 hours of instruction, 6 credits, Master level
Every semester

Content

The major goal of the Practical Seminar is to prepare students in writing their Master thesis. While attending this seminar, the students design practical solutions for specific IT-problems, dealing with related research interests of current IT-topics within a short timeframe (1 term). During the research phase the students will obtain support by the research team of our professorship. At the end of the term the students need to present their research results to all participants of the Practical Seminar. Additionally, each student group have to write a small Practical Seminar thesis (almost 20-30 pages) in order to document the research results / problem solution. The Practical Seminar can also be executed in team by two students. The following list presents a short overview of the past topics of the Practical Seminar:

- Implementation of a Private Cloud solution by using an open-source tool
- Creation auf Cluster-Environment on the basis of Hadoop and implementation of Map Reduce Jobs
- Evaluation and Visualization of digital clues on Android Smartphones
- Code analysis and Code design of a specific application
- Load-balancing in web applications
- Automatic data-correlation of heterogeneous datasets
- Analysis and Evaluation of open-source databases
- Context Mining within the Social Web
- Establishing a Facebook-Connector for provider independent social identity management
• Evaluation of user actions with the help of log-files
• Advantages and Disadvantages of using social networks
• Development of a web application which uses OAuth Authorization mechanisms
• Security within a web-based workflow system

Security of data-intensive applications

Basic course data
Instructor: Prof. Dr. Günther Pernul
Seminar: 2 hours of instruction, 6 credits, Master level
Every winter semester

This course focuses on current topics of international IT-security research and obtains the possibility for M.Sc.-students to participate in ongoing research projects at our department. Based on the concept of “paper-reading classes”, which is mostly common in Scandinavia and USA, current research fields will be worked out by using scientific publications with the help of research assistants.

To participate in this course it is absolutely mandatory to attend the introduction lecture, which takes place on Tuesday, 14th October 2014, at 10:00 am in room H14. Furthermore, students need knowledge in the basics of information security and need to register at the course-system “Flexnow”.

Topics:

• Next Generation Online Trust
• Secure Enterprise Identity Management
• Deep Packet Inspection
• Visual Analytics & Identity Management
• IT-Risk Management
• Digital Forensic in Enterprises

Theoretical Seminar (Business Information Systems)

Basic course data
Instructor: Prof. Dr. Günther Pernul
Seminar: 2 hours of instruction, 6 credits, Master level
Every semester

The Theoretical Seminar deals with current topics in the area of information systems, actual projects and research questions of our professorship. Masterstudents will need to write their topic results in a short timeframe on a high scientific level. Commonly, the task includes on the one hand the reworking of existing literature to this topic, on the other hand the development of own solutions, comparisons and evaluations. During the research phase the students will obtain support by the research team of our professorship. The following list presents a short overview of the past topics of the Theoretical Seminar:
- Access-Control concepts for popular application systems
- Business-Apps – Status Quo and Prospect
- Comparison of process models for the implementation of complex IT-systems
- Dynamic aspects of risk analysis
- Economic crime and digital forensic
- NFC-Payment systems

Quantitative Economics II

Basic course data
Instructor: Prof. Dr. Enzo Weber / Dr. Sabine Klinger
Lecture and Tutorial: 4 hours of instruction, 6 credits, Master level
Every summer semester

Content: This lecture focuses on econometric methods for identifying simultaneous causalities between macroeconomic or financial variables. At first, the basic concepts of simultaneity, identification and estimation of equation systems are introduced. The second important component is given by multivariate time series analysis, comprising vector autoregressive processes and cointegration. Identification techniques like instrumental variables, contemporaneous restrictions, long-run constraints or heteroscedastic covariance modelling are discussed. The econometric methods are applied in computer tutorials, which deal with economic models and problems.

Macroeconomics

Basic course data
Instructor: Prof. Dr. Enzo Weber / Dr. Sabine Klinger
Lecture and Tutorial: 4 hours of instruction, 6 credits, Master level
Every summer semester