

**Department of Economics**  
**Courses held in English – Spring semester 2008**

**I. Bachelor programme**

**Mikroökonomik A (english)**

Vorlesung, 4st.

Di wtl 08.30-10.00 19.02.-03.06.2008

Do wtl 10.15-11.45 21.02.-05.06.2008

Thadden, Ernst-

Ludwig von

M 003

M 003

Course title: Mikroökonomik A

Instructor: Prof. Dr. Ernst-Ludwig von Thadden

Method (hours per week): lecture (4) + practical exercises (2)

Examination: written, 120 min.

ECTS-credits: 8

Course description: Household theory, demand, decisions under uncertainty, producer theory, firm supply and factor demand, partial and general equilibrium. Literature: Robert S. Pindyck und Daniel S. Rubinfeld, Microeconomics. (Sixth Edition), Pearson Education International, 2005, Hal R. Varian, Intermediate Microeconomics: A Modern Approach. (Sixth Edition), W. W. Norton & Company, 2002.

Contact person: Dr. Mike Felgenhauer, Tel. 181-1911, e-Mail: felgenha<at>rumms.uni-mannheim.de, L 7, 3-5, room 3.01

There will be practical exercise classes in English to complement the lecture. Time and place tba.

**II. Diploma programme**

**Topics in Dynamic Macroeconomics**

Vorlesung und Übung, 4st.

Raum und Zeit siehe Aushang

Ludwig, Alexander

Kuhle, Wolfgang

Instructors: Alexander Ludwig (lecture) and Wolfgang Kuhle (exercise sessions)

1. Time and location

Lecture in the Spring term 2008

Lecture: 2 hours per week

Exercices: 2 hours per week

Time: t.b.a.

Place: t.b.a.

## 2. First lecture

t.b.a.

## 3. Office hours

t.b.a.

## 4. Course homepage

To be posted somewhere on <http://www.mea.uni-mannheim.de/alexludwig/>

## 5. Who?

This course is designed as a field course for second year students in the CDSE doctoral program and advanced graduate students. Depending on the composition of participants the level of the course will be adjusted.

## 6. Prerequisites

Successful participation in the (undergraduate) Macro sequence.

## 7. Grading and Credits

Grading will be based on a final exam (50 %), problem sets (30%) and class participation (20%). For the advanced graduate students the course will be credited with 7 ECTS points.

## 8. Concept for the course

We will study variants of the two "workhorses" of dynamic macroeconomics in general equilibrium: the neoclassical representative agent model and overlapping generations (OLG) models. While both models will be analyzed more room will be given to life-cycle economies (OLG type applications). For this reason, we will start out by extensively studying partial equilibrium models of household behavior, e.g., the dynamics of consumption, savings, labor supply and portfolio allocation decisions over the life-cycle. Once we roughly understand these models, we will turn to general equilibrium models. Our general equilibrium discussion will cover models with idiosyncratic risk (e.g., individual unemployment shocks that, in each time period, affect only a fraction of agents in the economy) and, if time permits, also models with aggregate risk (e.g., productivity shocks that simultaneously affect all agents).

The course will be applied in a sense that (i) we will seek to compare certain model features with the data, (ii) we will implement some of the models on the computer and (iii) we will analyze policy questions. Among these policy questions are issues related to the distribution of income, wealth and consumption both within and across generations, traditional public finance questions and how demographic change will affect the economy in a global world. Towards the end of the course you will have learned how to solve simple models analytically and more complicated (but not too complicated) models numerically and how to use these models for policy analysis.

Parallel to the lecture, we will have weekly exercise sessions. The purpose of these exercise sessions is threefold: first, the solutions to the problem sets will be discussed second, technical material discussed in class will be repeated and third, some additional material will be covered.

The course will be offered in English (unless there is a strong demand for German).

#### 9. Material

- Lecture Notes
- Ljungqvist, Lars and Sargent, Thomas J (2000): Recursive Macroeconomic Theory, MIT Press, Cambridge, Massachusetts.
- Blanchard, Olivier J and Fisher, Stanley (1989): Lectures on Macroeconomics, The MIT Press, Cambridge, Massachusetts.
- Romer, David (2006): Advanced Macroeconomics, McGraw-Hill, New York.

Course title: Topics in Dynamic Macroeconomics

Instructors: Dr. Alexander Ludwig, Wolfgang Kuhle

Offered: spring terms

Method (hours per week): lecture (2) + practical exercises (2)

Course language: English

Prerequisites: Vordiplom, Mikro III, Makro III

Examination: final exam, problem sets, class participation

ECTS-Credits: 7

Course description: see above

Contact person: Dr. Alexander Ludwig, Mannheim Research Institute for the Economics of Aging (MEA), L13, 17, E-mail: Ludwig<at>econ.uni-mannheim.de

### **Computational Methods in Economics and Finance**

Vorlesung, 4st.

Kübler, Felix

Di wtl 12.00-13.30 19.02.-03.06.2008

L7, P044

Do wtl 12.00-13.30 21.02.-05.06.2008

L7, P044

Course title: Computational Methods in Economics and Finance

Instructor: Prof. Felix Kübler, Ph.D.

Method (hours per week): lecture (4)

Course language: English

Prerequisites: Vordiplom, knowledge of Fortran or C, strong interest in macro-economics and/or general equilibrium theory.

Examination: There will be weekly assignments which will be graded

ECTS-Credits: 9

Course description: The class discusses basic algorithms for solving economic models.

Outline:

- Introduction to numerical analysis
- Solving non-linear equations (Newton's method, homotopy methods)
- Projection methods (interpolation, policy function iteration, dynamic programming).

Contact person: Prof. Felix Kübler, Ph.D.; Tel. 181-1836; e-Mail: fkuebler<at>rumms.uni-mannheim.de; L7, 3-5, room 3.12

## **Innovation Economics**

Vorlesung  
Fr wtl 10.15-11.45 22.02.-06.06.2008

Müller, Elisabeth

L7, P043

Course title: Innovation Economics

Instructor: Elisabeth Müller, Ph.D.

Method (hours per week): lecture (2)

Course language: English

Prerequisites: Vordiplom, preferably Mikro III and Grundlagen der Ökonometrie; the course is suitable for diploma students and for doctoral students.

Examination: class participation (10%), written final exam (90%), 90 min, either in English or German

ECTS-Credits: 5

Course description: Investment in research, development and innovation is a major driver of long-term economic performance. It is therefore of great importance to understand how new knowledge is created, how it diffuses through the economy and how it affects markets. This course addresses current research in innovation economics both from a theoretical and empirical perspective. Mainly microeconomic aspects will be covered. One lecture will be given by a policy maker. This lecture will provide insight into German R&D policy.

List of topics:

1. Market failure
2. Incentives for innovation
3. Intellectual property rights
4. Spillovers and absorptive capacity
5. Innovation and competition
6. Policy response

Literature: The course will be based on a selection of published articles and discussion papers.

Contact person: Elisabeth Müller, Ph.D., Tel. 0621-1235-383, e-mail: mueller<at>zew.de, L7, 1, room 358.

## **Markets and Strategies II**

Vorlesung, 4st.

Mo 15.30-19.00 18.02.2008

Mo 15.30-19.00 25.02.2008

Mo wtl 15.30-19.00 03.03.-02.06.2008

Peitz, Martin

Rall, Wilhelm

L9, 003

L9, 003

L7, P044

Prof. Dr. Wilhelm Rall  
Prof. Dr. Martin Peitz  
University of Mannheim

Markets and Strategies II

Size: Laboratory Course, 4hrs.

First Class: Monday, February 18, 2008

Time and Location: see above

Coaching Session: will be announced

Offices hours: Peitz: by appointment (phone 181-1835)  
Rall: by appointment

#### ADRESSEES:

The course is part of the course sequence under the same title, as well as of the elective in business studies entitled "Information and Competition". First and second year doctoral students are especially welcome.

#### PREREQUISITES.

Microeconomics I - III or equivalent, Markets and Strategies I or equivalent.

#### GRADES:

The grade for the course is based on active participation in class (40%) and the presentation of solutions to the case problems including their revisions within final slides or team papers, on the discussion in class (60%).

#### CONCEPT OF THE COURSE SEQUENCE:

The course sequence consists of three blocks. The four-hour-lecture course on Strategic Action I in the fall semester; a block seminar held either at the end of the fall semester or just before the beginning of the spring semester; and the present interactive four hour case study course held in the spring semester. Participation in both the seminar and the spring course necessitates participation in the fall semester course (or equivalent). Participation in the seminar is recommended, but not required for participation in the spring course.

The philosophy that has led to the course sequence is the following: The analysis of a real life strategic planning problem necessitates the reduction of the problem to its essentials. The fall semester course is designed to equip the student with the tools relevant for the analysis of such strategic problems at the level of the firm, as well as the level of an industry. Depending on the industry structure, both are prerequisites for the analysis of regulatory and competition policy.

Emphasis is placed not only on the reception of existing models but also on the generation of new ones that are appropriate for the analysis of specific real life problems. In contrast to the presentation of recipes, the fall semester course is designed to equip the student with micro theoretic and game theoretic tools to solve strategic problems.

This concept is deepened within the block seminar and the case study course. Towards this we have developed a novel case study based interactive teaching concept that does not end with the student's understanding of the many existing modelling approaches, but continues with the development of specific models intended to give specific answers to specific strategic planning problems taken from current consulting experience.

More specifically, in the block seminar we ask the student to explain carefully selected case data with the theoretical approaches discussed in the fall semester course. In the present case study course the student is challenged with the development of new modelling approaches. Towards this, we present a sequence of five cases from different industries.

We will form teams of students. The teams will compete against each other in developing answers to two strategic questions raised at the end of each case presentation. The first question will involve a decision problem for a key firm in the relevant industry; and the second one a regulatory or competition policy decision problem for that industry.

#### LITERATURE:

The main reference text for the course will be

Tirole, J. (1989): The Theory of Industrial Organization, Cambridge, MA: MIT Press, German translation Oldenbourg (1994)

Course title: Markets and Strategies II

Instructor: Prof. Dr. Martin Peitz, Prof. Dr. Wilhelm Rall

Method (hours per week): lecture (4) + practical exercises (2)

Course language: English

Prerequisites: Mikroökonomik I-III or equivalent, Markets and Strategies I or equivalent

Examination: Class participation (40%), team papers (60 %)

ECTS-Credits: 11

Course description: see above

Contact person: Prof. Dr. Martin Peitz, Tel. 181-1835, martin.peitz<at>googlemail.com

### **The business models of software platforms**

Blockseminar, 2st.

Peitz, Martin

Fr 09.00-20.00 09.05.2008

L9, 002

Sa 09.00-20.00 10.05.2008

L7, P043

#### OVERVIEW

The design of markets and the functioning of business models in software platform markets will be analyzed in five selected industries: PCs, video games, handheld devices, mobile telephones, and digital music players and devices. A background reading we use the book "Invisible Engines" by David Evans, Andrei Hagiu and Richard Schmalensee, published by MIT Press, which can be downloaded for free after registration at the MIT Press web site. An important role to understand software platforms is the theory of two-sided markets, which is elaborated informally in the above mentioned book and in additional reading material that will be provided at the beginning of the course.

Students will present their work during two full days. Most reading material and presentations are non-formal. Students are expected to read the whole

book by Evans et al. and to complement the material on the selected industries by their own research.

This seminar is, in particular, targeted at students of business administration. To register for this course students must have completed 2 years of undergraduate studies.

Presentation will take place during two days in May (planned dates: 9th and 10th of May). There will be an organizational meeting at the beginning of the term.

There is a maximum of 20 students. Interested students have to register at the secretary, Ms. Mamaç, Verfügungsgebäude L7, 3rd floor.

#### LITERATURE:

Evans, David, Andrei Hagiu, and Richard Schmalensee (2006), *Invisible Engines: How Software Platforms Drive Innovation and Transform Industries*, MIT Press.

in addition:

Peitz, M. (2006), *Marktplätze und indirekte Netzwerkeffekte, Perspektiven der Wirtschaftspolitik*.

Evans, David (2003), *Some Empirical Aspects of Multi-sided Platform Industries*, *Review of Network Economics* 2, 191-209.

Evans, David and Richard Schmalensee (2005), *The Industrial Organization of Markets with Two-Sided Platforms*, mimeo.

#### SCHEDULE:

Organizational meeting: February 2008

Presentations: May 2008

Course title: The business models of software platforms

Instructor: Prof. Dr. Martin Peitz

Method (hours per week): seminar (2)

Course language: English

Prerequisites: Mikroökonomik I-III

Examination: seminar paper, oral presentation

ECTS-Credits: 6

Course description: In this seminar we analyze business models of software platforms. To this end we focus on five industries: PCs, video games, handheld devices, mobile telephones, and digital music players and devices. Some reading material is provided; additional research by students is required.

Contact person: Prof. Dr. Martin Peitz, Tel. 181-1835,  
martin.peitz<at>googlemail.com

## Ethics and economics

Seminar, 2st.

Rode, Julian

Di 10.15-11.45	19.02.2008	L9, 003
Di 10.15-11.45	26.02.2008	L9, 003
Di 10.15-11.45	04.03.2008	L9, 003
Di wtl 10.15-13.30	29.04.-27.05.2008	L9, 003
Di 10.15-11.45	03.06.2008	L9, 003

Course title: Ethics and economics

Instructor: Julian Rode

Method (hours per week): seminar (2)

Examination: (short) seminar paper, oral presentation, input in classroom discussions

ECTS-Credits: 6

Course description:

Context: What is ethical consumption? Should I invest in ethical funds? (How) can business be more ethical? There is no doubt that ethical aspects may enter decision making in many situations within the economic realm, for individuals and business organizations alike. Moreover, economic theory is deeply intertwined with (certain) ethical theories. The fundamental reliance on consequential and in particular utilitarian reasoning is one example. Also, the interpretation of "economic rationality" and its descriptive and normative merits and limitations in the light of ethical theories opens up many avenues for discussion.

Objective: This course offers students the opportunity to analyze in depth, discuss, and critically assess the relation between ethics and economics. Students do research on a topic of their interest. Topics may be conceptual or methodological, but may also involve practical issues for which the interplay of ethics and economics is of relevance.

Organization: In the beginning of the semester there will be a series of introductory meetings. These meetings serve to familiarize students with a selection of ethical theories and some reference literature, and they provide a forum for discussing possible projects. Subsequently, students will have time for their research (which includes formulating the final research question, searching for relevant literature, writing a short term paper, and preparing a class presentation). Student presentations and further discussions will then take place in several meetings during the last weeks of the semester.

Contact person: Julian Rode, Tel. 0621-181-3434, jrode<at>sfb504.uni-mannheim.de

Possible reference literature:

Boulding, K., 1969. Economics as a moral science. *American Economic Review* 59 (1), 1-12.

Hausman, D., McPherson, M., 1993. Taking Ethics Seriously: Economics and Contemporary Moral Philosophy. *Journal of Economic Literature* 31 (2), 671-731.

Le Menestrel, M., 2002. Economic rationality and ethical behavior: ethical business between venality and sacrifice. *Business Ethics: A European Review* 11 (2), 157-166.

Rothschild, K., 1993. Ethics and economic theory: Ideas, Models,



Dilemmas. Edward Elgar Publishers.  
Sen, A., 1987. On ethics and economics. Blackwell. Oxford.  
Singer, P. (Ed.), 1991. A companion to ethics. Blackwell Publishing.  
Wilber, C., 2004. Teaching economics as if ethics mattered. In: Fullbrook,  
E. (Ed.). A guide to what's wrong with economics. Anthem Press, London,  
147-157.

Registration: by email to the instructor (jrode<at>sfb504.uni-mannheim.de)  
prior to the first meeting (max. 20 participants)

## **European Monetary and Economic Integration**

Vorlesung, 2st.

Schröder, Jürgen

Do wtl 10.15-11.45 21.02.-05.06.2008

L7, P043

Content:

- I. Forms of Economic and Monetary Integration
- II. Economic Integration
  1. Static Effects
  2. Dynamic Effects
- III. Monetary Integration
  1. Reducing Macroeconomic Flexibility
  2. Increasing Microeconomic Efficiency
- IV. Integration and Economic Policy
  1. Monetary Policy
  2. Fiscal Policy
  3. Structural Policy

Course title: European Monetary and Economic Integration

Method (hours per week): lecture (2)

Examination: written, 90 min.

ECTS-Credits: 5

Course description: The aim of this course is to provide students with an analysis of the theory of economic and monetary integration and its application to the European context. The course deals with types of economic and monetary integration; static and dynamic effects of economic integration; benefits of a single market; monetary integration; costs and benefits of a single currency; theory of optimum currency areas and its application to the European Monetary Union.

Contact person: Dr. Makram El-Shagi, Tel. 181-1803, E-mail: elshagi<at>rumms.uni-mannheim.de, L 7, 3-5, room 242, consultation hour: on appointment

## Economic Forecasting

entweder Vorlesung mit Übung oder Seminar, 4st.	Trenkler, Carsten und Pigorsch, Uta	L7, 158
Di wtl 10.15-11.45 19.02.-03.06.2008		L7, P044
Di wtl 10.15-11.45 19.02.-03.06.2008		L7, P044
Do wtl 10.15-11.45 21.02.-05.06.2008		L7, P044

Course title: Economic Forecasting

Instructors: Prof. Dr. Uta Pigorsch and Prof. Dr. Carsten Trenkler

Method (hours per week): either lecture and tutorials (2+2), or seminar (4)

Course level: Diploma

Course language: English on demand (seminar papers can be written either in German or English)

Prerequisites: Grundlagen der Ökonometrie (Basic Econometrics)

Examination: final exam, written (90 minutes) or seminar paper

ECTS-Credits: 7 (lecture) or 6 (seminar)

Course description: The future evolvement of economic time series is important to many economic decisions of policy makers as well as of private agents. The course therefore focuses on models and methods used for forecasting economic variables. Apart from constructing point forecasts over multiple horizons, the course also discusses the uncertainty associated with these forecasts. Relevant criteria for measuring the forecasting performance as well as tests for forecast comparisons will be covered. The methods discussed will be applied to macroeconomic and financial data. The credits indicated above can either be obtained via a final exam (requiring the participation in the lecture and the tutorials) or by writing a seminar paper. The topics of the seminar papers will cover different forecasting applications in the areas of macroeconomics and finance. The conduction of an empirical analysis is therefore required. Students that are interested in the seminar should come to the first lecture.

Contact persons: Prof. Dr. Uta Pigorsch, E-mail: uta.pigorsch<at>vwl.uni-mannheim.de; Prof. Dr. Carsten Trenkler, E-mail: trenkler<at>uni-mannheim.de

## Microeconometrics

Vorlesung 3st. + Übung 1st.	Frölich, Markus	
Di wtl 17.15-18.45 19.02.-03.06.2008		L7, 031
Do wtl 13.45-15.15 21.02.-05.06.2008		L7, 158
Do wtl 13.45-15.15 21.02.-05.06.2008		L7, P044

Course title: Microeconometrics

Instructor: Prof. Dr. Markus Frölich

Method (hours per week): lecture (3) + computer tutorials (1)

Course level: Diploma (also PhD admitted)

Course language: Englisch

Prerequisites: Econometrics I

Examination: written exam, 135 minutes

ECTS-Credits: 8

Course description: This course covers widely applied tools for the analysis of microeconomic data as common in analysis of household data, marketing, firm data etc. This includes binary choice, discrete choice,

censored regression, duration models, non-linear panel data models (see Wooldridge Chapter 15 to 20). Computer tutorials with STATA complement the lectures.

Contact person: Prof. Dr. Markus Frölich, L7, 3-5, room 1.19, E-Mail: markus.froelich<at>uni-mannheim.de

### **The Econometrics of Industrial Organization**

Seminar, 2st.

Hoderlein, Stefan

Do wtl 10.15-13.30 **10.04.-05.06.2008**

L9, 003

Course title: The Econometrics of Industrial Organization

Instructor: Prof. Dr. S. Hoderlein

Method (hours per week): seminar (2)

Course language: English

Prerequisites: Grundlagen der Ökonometrie

Examination: homework + talks

ECTS-Credits: 6

Course description: In this seminar we explore the literature on empirical modeling of industrial organization models. As starting point we take the article by Akerberg, Benkard, Berry and Pakes. We shall be concerned with the identification and estimation of modern discrete choice demand systems in IO and their application in IO and related fields like marketing. We introduce the basic setup of a discrete choice model in characteristics space, and focus in particular on the issue of endogeneity. The leading example for such a model will be the seminal paper by Berry, Levinsohn and Pakes. We discuss also estimation of dynamic models of demand. Finally, we discuss issues pertaining to entry and exit of firms from the market as well as the estimation of games. Reference: D. Akerberg, L. Benkard, S. Berry and A. Pakes, Econometric tools for analyzing market outcomes, forthcoming Handbook of Econometrics.

Contact person: Prof. Dr. S. Hoderlein, Tel. 181-3333, E-Mail: stefanho<at>rumms.uni-mannheim.de, L7, room 110.

### **Multivariate Time Series Analysis and Identification**

Vorlesung und Übung, 4st.

Weber, Enzo

Di wtl 13.45-17.00 **19.02.-03.06.2008**

L9, 002

Course title: Multivariate Time Series Analysis and Identification

Instructor: Dr. Enzo Weber

Method (hours per week): lecture (2) + exercises (1) + computer tutorials (1)

Prerequisites: Grundlagen der Ökonometrie (Basic Econometrics),

Univariate Time Series Analysis; Multivariate Time Series Analysis helpful but not mandatory

Course language: English on demand

ECTS-Credits: 7

Course description: This lecture focuses on econometric methods of identifying simultaneous causalities between macroeconomic or financial variables. At first, the basic concepts of multivariate time series analysis including equation systems, vector autoregressive processes and

cointegration are treated. After the fundamental problems connected to simultaneity have been introduced, we address various solutions, as there are for example instrumental variables, contemporaneous restrictions, long-run constraints or heteroscedastic covariance modelling. The econometric methods are applied in computer tutorials, which deal with economic topics like monetary policy analysis, separation of real and nominal shocks or financial contagion.

Contact person: Dr. Enzo Weber, L7, 3-5, room 1.08, phone: 181-1844, e-Mail: eweber<at>wiwiss.fu-berlin.de

### **Seminar Experimental Economics**

Seminar, 2st.

Schmidt, Carsten

Mi wtl 13.45-15.15 20.02.-04.06.2008

L9, 003

Course title: Seminar Experimental Economics

Instructor: Dr. Carsten Schmidt

Method (hours per week): seminar (2)

Course language: English

Prerequisites: Grundstudium, Experimental Economics lecture is helpful

Examination: term paper, presentation

ECTS-Credits: 6

Course description: This class in Experimental Economics is a hands on seminar where students will design, conduct, and evaluate their own experiment. This includes coming up with a research question, setting up the experimental design, deriving theoretic predictions for this setting, writing instructions, conducting the experiment, doing statistical evaluation of the data and writing a research report. Usually master and diploma students will work in teams, doctoral students will conduct an experiment on their own. For further details see <http://www.sfb504.uni-mannheim.de/~cschmidt/ees08>

Contact person: Dr. Carsten Schmidt, Tel.: +49 621 181 3447, e-mail: cschmidt<at>sfb504.uni-mannheim.de

### **Seminar on Numerical Economics**

Seminar

Winschel, Viktor

Mi wtl 13.45-15.15 20.02.-04.06.2008

L7, P043

Course title: Seminar on Numerical Economics

Instructor: Dr. Viktor Winschel

Method (hours per week): seminar (2)

Prerequisites: Vordiplom

Examination: seminar paper

ECTS-Credits: 6

Course description: In the first part of the course there will be seminars on numerical methods in economics. During the second part the participants will program and present an own numerical analysis of a model of interest.

## I. Part: Lectures

### 1. Block:

- Programming in Matlab and Python
- Linear Equations
- Nonlinear Equations
- Optimization

### 2. Block:

- Numerical Integration
- Function Approximation
- Solving Rational Expectations Models

## II. Part: Seminar paper and presentations

Literature: The text book for the numerical part of the course is Applied Computational Economics and Finance, by Mario J. Miranda and Paul L. Fackler. For the programming part we will use: Python Scripting for Computational Science, by Hans P. Langtangen and Matlab Tutorial by Kermit Sigmon

Contact person: Dr. Viktor Winschel, L7, 3-5, Room: 3-25, Tel: 0621-181-1839, e-mail: winschel<at>rumms.uni-mannheim.de

## Econometric Theory

Vorlesung und Übung, 4st.

Mo wtl 10.15-11.45 18.02.-02.06.2008

Mi wtl 15.30-17.00 20.02.-04.06.2008

Rothe, Christoph

Schienze, Melanie

L7, 031

L9, 003

Course Title: Econometric Theory

Instructors: Melanie Schienze, Christoph Rothe

Method (hours per week): lecture (3) + practical exercises (1)

Prerequisites: Basic Econometrics (Grundlagen der Ökonometrie) and at least one other advanced course in econometrics or statistics - preferably Econometrics I or Probability Theory (Wahrscheinlichkeitstheorie).

Examination: Assignments and written final exam

ECTS-Credits: 8

Course description: This course is designed for doctoral and advanced undergraduate students, particularly for those who would like to write a thesis in either applied or theoretical econometrics. The first part deals with large sample estimation and hypothesis testing in nonlinear parametric models (e.g. nonlinear least squares, generalized method of moments, maximum likelihood, quantile regression). The second part covers non- and semiparametric methods in econometrics (e.g. density estimation, nonparametric regression, partially linear and additive models). References: Newey and McFadden (1994): Large sample estimation and hypothesis testing. Handbook of Econometrics, Volume IV. Pagan and Ullah (1999): Nonparametric Econometrics. Li and Racine (2007): Nonparametric Econometrics. Contact persons: Dipl.-Stat. Christian Rothe, Tel. 181-1940, crothe<at>rumms.uni-mannheim.de, L7, 3-5, room 131; Melanie Schienze, Tel. 181-1928, mschienze<at>rumms.uni-mannheim.de, L7, 3-5, room 146

## The Onset of Globalization after World War II

Vorlesung  
Mo wtl 15.30-17.00 18.02.-02.06.2008

Buchheim,  
Christoph

L7, P043

The interwar period was characterized by protectionism which led to a process of deglobalization on a world scale. After World War II this tendency was even stronger; not only in Europe quantitative import barriers and bilateralism were common phenomena. By 1960, however, that had changed a lot. Then the principal currencies were convertible, trade had been extensively liberalized, a new process of globalization had set in. The questions which will be dealt with in this lecture course therefore are: How did this positive development of the world economic system come about? What were the mechanisms which led to the huge decline of protectionism, and what can be learned from them for international economic policy more generally. The course will combine lecturing with extensive reading and interpretation of source material. Above all qualitative methods will be employed.

The course is open to doctoral and advanced students in economics. There will be written examinations at the end of the term. Doctoral students will in addition have to prepare a case study.

### Literature:

Barry Eichengreen, *The European Economy Since 1945. Coordinated Capitalism and Beyond*, Princeton 2007

Hermann van der Wee, *Prosperity and Upheaval: The World Economy 1945-1980*, Berkeley 1986

Course title: The Onset of Globalization after World War II

Instructor: Prof. Dr. Christoph Buchheim

Method (hours per week): lecture (2)

Examination: written, 90 minutes

ECTS-Credits: 5

Course language: English

Course description: The interwar period was characterized by protectionism which led to a process of deglobalization on a world scale. After World War II this tendency was even stronger; not only in Europe quantitative import barriers and bilateralism were common phenomena. By 1960, however, that had changed a lot. Then the principal currencies were convertible, trade had been extensively liberalized, a new process of globalization had set in. The questions which will be dealt with in this lecture course therefore are: How did this positive development of the world economic system come about? What were the mechanisms which led to the huge decline of protectionism, and what can be learned from them for international economic policy more generally. The course will combine lecturing with extensive reading and interpretation of source material. Above all qualitative methods will be employed.

The course is open to doctoral and advanced students in economics. There will be written examinations at the end of the term. Doctoral students will in addition have to prepare a case study.

### Literature:

Barry Eichengreen, *The European Economy Since 1945. Coordinated Capitalism and Beyond*, Princeton 2007  
Hermann van der Wee, *Prosperity and Upheaval: The World Economy 1945-1980*, Berkeley 1986  
Contact: Prof. Dr. C. Buchheim, L7, 3-5, room P11; phone: 181-1902; mail: buchheim<at>rumms.uni-mannheim.de; office hours: Tuesday, 11.00 - 12.30 h

## **Mathematical Econometrics and Statistics**

Vorlesung und Übung, 6st.

Mammen, Enno

Mi wtl 10.15-11.45 09.04.-16.07.2008

Dahlhaus, Rainer

L7, P044

Friday 9.15 - 10.45 (University of Heidelberg, room AM HS 134)

Friday 11.15 - 12.45 (exercise course in Heidelberg, room AM HS 134)

Start: April 9, 2008

The course runs until July 18, 2008

The course runs during the semester times of the University of Heidelberg.

The related course "Econometric Theory" is given during the times of the University of Mannheim.

Course title: Mathematical Econometrics and Statistics

Instructors: Rainer Dahlhaus, Enno Mammen

Method (hours per week): lecture (4) + exercises (2)

Prerequisites: Probability Theory, a good background in mathematical reasoning

Course description: This course is addressed to doctoral students in economics and to advanced undergraduate students in mathematics. The course starts with a description of statistical test theory. It discusses asymptotic methods for testing and for estimation (ML-estimators, general method of moments). It introduces to the efficiency concept in semiparametrics. Depending on time, nonparametric methods will be discussed (with a link to empirical process theory) and /or some basics from statistical methods in time series analysis.

The course is suitable for doctoral students who will use methods from mathematical statistics and econometrics in their thesis and for diploma students in mathematics who want to write a diploma thesis on the subject.

There is a related course "Econometric Theory" that gives an introduction to the subject on a less technical level. For interested students with a less trained mathematical background it may be reasonable to visit both courses (in spite of the overlaps in the courses).

Examination: Assignments and written final exam

References:

A.W. van der Vaart (1998). *Asymptotic Statistics*. Cambridge University Press, Cambridge.

## **Topics in Macroeconomics: Optimal Dynamics Taxation**

Seminar, 2st.

Krebs, Tom

Di wtl 13.45-15.15 19.02.-03.06.2008

L7, P043

Course title: Topics in Macroeconomics: Optimal Dynamics Taxation

Instructor: Prof. Tom Krebs, Ph.D.

Method (hours per week): seminar (2)

Course level: Diploma

Course language: English

Prerequisites: Vordiplom

Examination: seminar paper + presentation

ECTS-Credits: 6

Course description: This seminar discusses recent macroeconomic research that analyzes the optimal mix of capital and labor income taxes when households invest in physical and human capital. Topics for seminar papers and presentation will be posted on the chair's homepage and message board by December 15th. To register for the course, contact Prof. Tom Krebs by February 11th.

Contact person: Prof. Tom Krebs, Ph.D. Tel. 181-1762, E-mail: tkrebs@econ.uni-mannheim.de, L7, 3-5, room P 05/06, Mon., 15:30-17:00 h