

# Graduate School of Economic & Social Sciences (GESS)

|  |    |               |                       |  |
|--|----|---------------|-----------------------|--|
| <b>Doktorandenseminar</b>              |    |               |                       |  |
| Doktoranden- und<br>Diplomandenseminar |    | 2st.          |                       | Mammen, E.                                     |
| <b>Research Training Group 1953</b>    |    |               |                       |  |
| Doktoranden- und<br>Diplomandenseminar |    | 2st.          |                       | Mammen, E. / Leucht, A.                        |
| wtl                                    | Di | 13:45 - 15:15 | 11.02.2014-06.05.2014 | B 6, 23-25 Bauteil A<br>(Hörsaalgebäude) A 102 |
| Einzel                                 | Di | 13:30 - 15:15 | 27.05.2014-27.05.2014 | L 9, 1-2 409                                   |

## Center for Doctoral Studies in Business (CDSB)

|  |    |               |                       |  |
|--|----|---------------|-----------------------|--|
| <b>ACC 802 Analytical Research in Accounting</b>   |    |               |                       |  |
| Doktorandenseminar   |    |               |                       | Simons, D.                                     |
| wtl  | Mo | 13:45 - 15:15 | 10.02.2014-26.05.2014 |  |
| <b>Kommentar:</b>  |    |               |                       |  |
| Nähere Angaben werden im Kurs bekannt gegeben  |    |               |                       |  |
| <b>ACC 902 Normative Accounting Research</b>   |    |               |                       |  |
| Doktorandenseminar   |    |               |                       | Brauchle, T. / Dänzer, K. / Wüstemann, J.      |
| Einzel   | Di | 15:30 - 18:45 | 11.02.2014-11.02.2014 | Schloss Schneckenhof Ost SO 133                |
| Einzel   | Di | 15:30 - 18:45 | 11.03.2014-11.03.2014 | Schloss Schneckenhof Ost SO 133                |
| Einzel   | Di | 15:30 - 18:45 | 01.04.2014-01.04.2014 | Schloss Schneckenhof Ost SO 133                |
| Einzel   | Mi | 09:00 - 17:00 | 28.05.2014-28.05.2014 | Schloss Schneckenhof Ost SO 318                |
| <b>Kommentar:</b>  |    |               |                       |  |
| This course investigates strategies of normative research with regard to International Financial Reporting Standards (IFRS) from an interdisciplinary perspective.<br>In the first part of the course, we discuss the foundations of normative accounting research. In particular, we show how this research methodology can successfully be applied despite claims of its alleged impossibility. Furthermore, we compare the legal traditions of normative interpretation in the US and in Europe. In the second part, we analyze the existing system of IFRS from different conceptual approaches and develop grounds for their further general development as well as solutions |    |               |                       |  |
| <b>ACC 903 Empirical Accounting Research</b>   |    |               |                       |  |
| Doktorandenseminar   |    | 2st.          |                       | Daske, H.                                      |
| wtl  | Di | 11:45 - 15:15 | 11.02.2014-27.05.2014 | Schloss Schneckenhof Ost SO 133                |
| Einzel   | Di | 10:00 - 17:00 | 15.07.2014-15.07.2014 | Schloß Ostflügel O 251-53                      |
| <b>ACC/TAX911 Brown-Bag Seminar Empirical Accounting &amp; Tax</b>   |    |               |                       |  |
| Doktorandenseminar   |    | 2st.          |                       | Daske, H. / Voget, J.                          |
| wtl  | Mi | 13:45 - 15:15 | 12.02.2014-28.05.2014 | Schloss Schneckenhof Ost SO 133                |
| wtl  | Mi | 15:30 - 17:00 | 12.02.2014-28.05.2014 | Schloß Ostflügel O 226/28                      |
| <b>Kommentar:</b>  |    |               |                       |  |
| This course aims at students in accounting and taxation. The course is taught in a seminar-style format. Students present their own research and discuss the presentations of other students. Students are introduced in writing referee reports to (drafts of) papers. Allocation of topics will be determined in class.<br>Students will learn how to present and discuss their own research results. They will become acquainted with acting as discussant for other topics. Additionally, they will learn how to write a referee report.   |    |               |                       |  |
| <b>FIN 802 Continuous -time Finance</b>  |    |               |                       |  |
| Übung  |    | 2st.          |                       | Schied, A.                                     |
| wtl  | Do | 13:45 - 15:15 | 13.02.2014-29.05.2014 | B 6, 23-25 Bauteil A<br>(Hörsaalgebäude) A 302 |
| <b>FIN 802 Continuous-time Finance</b>   |    |               |                       |  |
| Vorlesung  |    | 2st.          |                       | Schied, A.                                     |
| wtl  | Do | 15:30 - 17:00 | 13.02.2014-29.05.2014 | B 6, 23-25 Bauteil A<br>(Hörsaalgebäude) A 302 |

**Kommentar:**

Continuous-time Finance

**FIN 803 PhD Kurs Corporate Finance**

Doktorandenseminar 3st.

Lenz, M. / Maug, E. / Zhivotova, E.

|        |    |               |                       |          |     |
|--------|----|---------------|-----------------------|----------|-----|
| Einzel | Mo | 08:00 - 19:00 | 02.06.2014-02.06.2014 | L 9, 1-2 | 210 |
| Einzel | Fr | 08:00 - 19:00 | 09.05.2014-09.05.2014 | L 9, 1-2 | 409 |
| Einzel | Fr | 08:00 - 19:00 | 23.05.2014-23.05.2014 | L 9, 1-2 | 409 |

**Kommentar:****May 9, 2014/ May 23, 2014**

-&gt; Location: L 9, 1-2 (Room: 4.09, 4th floor)

**June 2, 2014**

-&gt; Location: L 9, 1-2 (Room: 2.10, 2nd floor)

**Course description**

This course is intended to enable students to understand and conduct research in corporate finance. It is taught at a first-year doctoral level and combines two objectives. Firstly, participants learn the classic contributions to the theory of modern corporate finance and understand the main contributions to the field. Secondly, the course also introduces some of the main empirical contributions to the field and studies the main econometric and statistical techniques used in corporate finance. At the end of the course participants should be familiar with the main empirical and theoretical tools used in corporate finance.

**Assessment type**

Paper presentations and class participation (50%), and a 24h-take-home exam at the end of the course (50%).

**Prerequisites**

The prerequisites for this course are a first-year doctoral level course in microeconomics that covers game theory and information economics (signaling, adverse selection, equilibrium refinements) and a first-year doctoral level course in econometrics that covers estimation and testing theory. Some familiarity with corporate finance and financial institutions at the level of a masters level course is also assumed, but not essential. If you have no prior knowledge of corporate finance, then some chapters in an MBA-level textbook (e.g. Brealey, Myers, and Allen, *Principles of Corporate Finance*, 8<sup>th</sup> edition, McGraw Hill 2006; Grinblatt and Titman, *Financial Markets and Corporate Strategy*, 2<sup>nd</sup> edition, McGraw-Hill 2000) would be useful.

**Literature**Tirole, Jean: *The Theory of Corporate Finance*, Princeton University Press, Princeton 2006de Matos, Joao Amaro, 2001, *Theoretical Foundations of Corporate Finance*, Princeton. Oxford (Princeton University Press)**Syllabus (HAS TO BE UPDATED!! STATUS 2011), schedule and readings****Session 1: Dividend and Capital Structure Irrelevance – the Modigliani-Miller Theorems revisited.**

We revisit the Modigliani-Miller theorems on capital structure and dividend irrelevance. Familiarity with the subject at the masters or MBA-level is presumed here. These theorems are often thought to be trivial and empirically not relevant because of their stringent assumptions. We will therefore investigate what these theorems do and do not say. I will give a thorough introduction into Hellwig's (1981) paper, which you may also wish to read before you come (not required though). DeAngelo and DeAngelo (2006) argue that the Modigliani-Miller (1963)-paper is itself irrelevant and we will discuss this point. Handley (2008) provides a critique of DD's claim.

**Required readings:**DeAngelo, Harry, and Linda DeAngelo, 2006, *The Irrelevance of the MM Irrelevance Theorem*, *Journal of Financial Economics* 79, pp. 293-316Modigliani, Franco, and Merton H. Miller, 1961, *Dividend Policy, Growth, and the Valuation of Shares*, *Journal of Business* 34, no. 4 (October), pp. 411-433**Additional Readings:**DeAngelo, Harry, and Linda DeAngelo, 2008, *Reply to: Dividend Policy: Reconciling DD With MM*, *Journal of Financial Economics* 87, no. 2 (February), pp. 532-533 Handley, John C., 2008, *Dividend Policy: Reconciling DD With MM*, *Journal of Financial Economics* 87, pp. 528-531Hellwig, Martin, 1981, *Bankruptcy, Limited Liability and the Modigliani-Miller Theorem*, *American Economic Review* 71, no. 1 (March), pp. 155-170Stiglitz, Joseph E., 1969, *A Re-Examination of the Modigliani-Miller Theorem*, *American Economic Review* 59, no. 5 (December), pp. 784-793**Session 2: Mergers and Takeover Bidding**

The theoretical and empirical analysis of mergers and acquisitions forms a large literature within the field of corporate finance, which covers topics such as the creation of synergies, allocation of synergies between the parties, means of payments, takeover defenses, insider trading before announcements, consequences for competition and competition policy, bidder wars, means of payments in mergers, the long-term profitability of mergers, and the corporate governance requirements for successful merger strategies. In this class we will focus in particular on the methodologies to perform short-term and long-term event studies to analyze the synergies and the allocation of synergies between bidders and target. Empirical Topic: Event Studies

**Required Readings:**Campbell, John Y.; Andrew W. Lo, and A. Craig MacKinlay, 1997, *The Econometrics of Financial Markets*, Princeton, N.J. (Princeton University Press), chapter 4Bradley, Michael; Anand Desai, and E. Han Kim, 1988, *Synergistic Gains From Corporate Acquisitions and Their Division Between the Stockholders of Target and Acquiring Firms*, *Journal of Financial Economics* 21, no. 1 (May), pp. 3-40**Additional Readings:**Bagnoli, Mark, and Barton L. Lipman, 1988, *Successful Takeovers without Exclusion*, *The Review of Financial Studies* 1, no. 1. (Spring), pp. 89-110

- Boehmer, Ekkehart; J. Musumeci, and Annette Poulsen, 1991, *Event-Study Methodology Under Conditions of Event Induced Variance*, Journal of Financial Economics 30, pp. 253-272
- Burkart, Mike, 1995, *Initial Shareholdings and Overbidding in Takeover Contests*, Journal of Finance 50, no. 5 (December), pp. 1491-1515
- Grossman, Sanford J., and Oliver D. Hart, 1980, *Takeover Bids, The Free Rider Problem, and the Theory of the Corporation*, Bell Journal of Economics 11, (Spring), pp. 42-64
- Jensen, Michael C., and Richard S. Ruback, 1983, *The Market for Corporate Control: The Scientific Evidence*, Journal of Financial Economics 11, no. 1-4 (April), pp. 5-50

### Session 3: Capital Structure and Theories of Asymmetric Information

Ever since the seminal papers by Modigliani and Miller (1958) researchers have formulated ideas about why capital structure matters after all and tried to find out how firms empirically adjust their capital structure. Two main contenders are debated to this day: the pecking order theory (first formulated by Myers and Majluf (1984), later put into a coherent game theoretic framework by Noe (1988), which is based on asymmetric information and adverse selection, and the trade-off theory, which is based on the notion that companies choose the optimal trade-off of tax savings and costs of financial distress. (This theory underlies all textbook formulations of the adjusted present value approach.) We will discuss some contributions to the empirical debate about which factors matter and also explore more recent dynamic models. Empirical Topic: Power of tests, model selection

- Required Readings:
- Frank, Murray Z., and Vidhan K. Goyal, 2007, *Capital Structure Decisions: Which Factors Are Reliably Important?*, Working Paper, University of British Columbia, (February)
- Myers, Steward C., and Nicholas S. Majluf, 1984, *Corporate Financing and Investment Decisions When Firms Have Information That Investors Do Not Have*, Journal of Financial Economics 13, no. 2 (June), pp. 187-224
- Shyam-Sunder, Lakshmi, and Stewart C Myers, 1999, *Testing Static Trade-Off Against Pecking Order Models of Capital Structure*, Journal of Financial Economics 51, pp. 219-244

#### Additional Readings:

- Dudley, Evan, 2009, *Capital Structure and Large Investment Projects*, Working Paper, University of Florida, (March)
- Jensen, Michael C., and William H. Meckling, 1976, *Theory of the Firm: Managerial Behavior, Agency Costs and Ownership Structure*, Journal of Financial Economics 3, no. 4 (October), pp. 305-360
- Noe, Thomas H., 1988, *Capital Structure and Signaling Game Equilibria*, Review of Financial Studies 1, no. 4, pp. 331-355

### Session 4: Ownership, Voting, and Control

One of the perennial methodological problems in corporate finance is the fact that almost all variables are endogenous, because capital structure, governance institutions, firm performance, and several other decisions are all outcomes of decisions that depend on the economic environment of the firm, and only very few exogenous environmental variables can be measured. While the resulting methodological problems have attracted the attention of researchers in labor economics and industrial organization research early on, methodological advances in corporate finance are comparatively recent. We will explore the theoretical and the empirical relationship between corporate ownership, voting structures, and firm performance with a particular focus on panel data methods. Empirical Topic: Endogeneity, Panel data methods

#### Required Readings:

- Grossman, Sanford J., and Oliver D. Hart, 1988, *One Share-One Vote and the Market for Corporate Control*, Journal of Financial Economics 20, pp. 175-202
- Himmelberg, Charles P.; R. Glenn Hubbard, and Darius Palia, 1999, *Understanding the Determinants of Managerial Ownership and the Link Between Ownership and Performance*, Journal of Financial Economics 53, pp. 353-384
- Morck, Randall; Andrei Shleifer, and Robert W. Vishny, 1988, *Management Ownership and Market Valuation: An Empirical Analysis*, Journal of Financial Economics 20, no. 1/2 (January/March), pp. 293-315

#### Additional Readings:

- Adams, Renee B., and Daniel Ferreira, 2008, *One Share, One Vote: The Empirical Evidence*, Review of Finance 12, no. 1, pp. 51-91
- Aghion, Philippe, and Patrick Bolton, 1989, *The Financial Structure of the Firm and the Problem of Control*, European Economic Review 33, pp. 286-293
- Aghion, Philippe, and Patrick Bolton, 1992, *An "Incomplete Contract" Approach to Financial Contracting*, Review of Economic Studies 59, no. 200 (July), pp. 473-494
- Burkart, Mike, and Samuel Lee, 2008, *The One Share - One Vote Debate: A Theoretical Perspective*, Review of Finance 12, no. 1, pp. 1-49
- Coles, Jeffrey L.; Michael L. Lemmon, and Yan Albert Wang, 2008, *The Joint Determinants of Managerial Ownership, Board Independence, and Firm Performance*, Working Paper, Arizona State University, (July)
- Harris, Milton, and Arthur Raviv, 1988, *Corporate Governance: Voting Rights and Majority Rules*, Journal of Financial Economics 20, pp. 203-236
- Linck, James S.; M. Babajide Wintoki, and Jeffrey M. Netter, 2008, *Endogeneity and the Dynamics of Corporate Governance*, Working Paper, University of Georgia, (November)
- Petersen, Mitchell A., 2009, *Estimating Standard Errors in Finance Panel Data Sets: Comparing Approaches*, Review of Financial Studies 22, no. 1, pp. 435-480

### Session 5: Executive Compensation

Executive compensation is a large area of applied microeconomics, which attracts researchers from finance, accounting, and labor economics and researchers try to understand various aspects of the remuneration of top executives, including the sometimes astonishing magnitude of compensation (and how it is related to talent) and the structure of contracts (in particular, how pay is related to performance, e.g., Aggarwal and Samwick, 1999). A large literature relies on a conventional principal-agent model (static model with effort aversion, lognormal stock prices, and constant relative risk aversion; the first paper to do a calibration of this model is Lambert, Larcker, and Verrecchia, 1991) to analyze the optimal structure and design of contracts (among many others, Hall and Murphy, 2000, 2002). Dittmann and Maug (2007) show that this model cannot accommodate

any options and predicts contracts that are very different from observed contracts. Dittmann, Maug, and Spalt (2008) propose an alternative by postulating loss aversion rather than risk aversion to model managers' preferences. We will discuss some of the model issues beyond those that are covered in the papers (e.g., the applicability of the first-order approach, Jewitt 1988).

Required Readings:

Dittmann, Ingolf, and Ernst Maug, 2007, *Lower Salaries and No Options? On the Optimal Structure of Executive Pay*, Journal of Finance, February, 303-343

Gabaix, Xavier, and Augustin Landier, 2008, *Why Has CEO Pay Increased So Much?*, Quarterly Journal of Economics 123, no. 1 (February), pp. 49-100

Hall, Brian J., and Kevin J. Murphy, 2000, *Optimal Exercise Prices for Executive Stock Options*, American Economic Review 90, (May), pp. 209-214

Additional Readings:

Aggarwal, Rajesh K., and Andrew A. Samwick, 1999, *The Other Side of the Trade-Off: The Impact of Risk on Executive Compensation*, Journal of Political Economy 107, no. 1 (February), pp. 65-105

Dittmann, Ingolf; Ernst Maug, and Oliver Spalt, 2009, *Sticks or Carrots? Optimal CEO Compensation When Managers Are Loss Averse*, ECGI Finance Working Paper, no. 193/2007 (November) Graham, John R.; Si Li, and Jiaping Qiu, 2008, *Managerial Ability and Executive Compensation*, Working Paper, Duke University, (September)

Hall, Brian J., and Kevin J. Murphy, 2002, *Stock Options for Undiversified Executives*, Journal of Accounting and Economics 33, no. 2 (April), pp. 3-42

Lambert, Richard A.; David F. Larcker, and Robert Verrecchia, 1991, *Portfolio Considerations in Valuing Executive Compensation*, Journal of Accounting Research 29, no. 1 (Spring), pp. 129-149

### Session 6: Initial Public Offerings

Initial public offerings are one of the most fertile areas of theoretical and empirical research in corporate finance. Three puzzles have been the subject of recurrent attention: (1) the offer price of newly issued shares is typically significantly below the price in secondary markets (underpricing); (2) IPO stocks underperform risk-adjusted benchmarks over the long term (long-term underperformance; Loughran and Ritter, 1995); (3) IPOs are strongly pro-cyclical and sometimes IPO-markets dry up completely (hot and cold markets). I will give a presentation of the Rock (1986) and the Benveniste and Spindt (1990)-explanations for underpricing. We will then discuss the methodological issues surrounding long-term event studies (Lyon, Barber and Tsai, 1999) and the notion of pseudo market-timing (Schultz, 2003).

Required Readings:

Khanna, Naveen; Thomas H. Noe, and Ramana Sonti, 2008, *Good IPOs Draw in Bad: Inelastic Banking Capacity and Hot Markets*, Review of Financial Studies 21, no. 5, pp. 1873-1906

Loughran, Tim, and Jay R. Ritter, 1995, *The New Issues Puzzle*, Journal of Finance 50, no. 1 (March), pp. 23-51

Rock, Kevin, 1986, *Why New Issues Are Underpriced*, Journal of Financial Economics 15, pp. 187-212

Additional Readings:

Barber, B. M., and J. D. Lyon, 1997, *Detecting Long-Run Abnormal Stock Returns: The Empirical Power and Specification of Test Statistics*, Journal of Financial Economics 43, pp. 341-372

Benveniste, Lawrence M., and Paul A. Spindt, 1989, *How Investment Bankers Determine the Offer Price and Allocation of New Issues*, Journal of Financial Economics 24, no. 2 (October), pp. 343-361

Benveniste, L. M., and William J. Wilhelm, 1990, *A Comparative Analysis of IPO Proceeds Under Alternative Regulatory Environments*, Journal of Financial Economics 28, pp. 173-207

Ellul, Andrew, and Marco Pagano, 2006, *IPO Underpricing and After-Market Liquidity*, Review of Financial Studies 19, no. 2, pp. 381-421

Lyon, J. D.; B. M Barber, and C. Tsai, 1999, *Improved Methods for Tests of Long-Run Abnormal Stock Returns*, Journal of Finance 54, pp. 165-201

Rock, Kevin, 1986, *Why New Issues Are Underpriced*, Journal of Financial Economics 15, pp. 187-212

Schultz, Paul, 2003, *Pseudo Market Timing and the Long-Run Underperformance of IPOs*, Journal of Finance 58, no. 2 (April), pp. 483-517

### Session 7: Diversification and the Conglomerate Discount

For a long time, it was an established ("stylized") fact of the literature on diversification that diversified conglomerates are punished by capital markets by a "conglomerate discount", whereby the conglomerate as a whole is worth less than the sum of its parts (Lang and Stulz, 1994; Berger and Ofek, 1995). More recently, Villalonga (2004) provides evidence that the conglomerate discount may not exist (she finds a conglomerate premium instead). Also, Graham, Lemmon, and Wolf (2002) argue that the conglomerate discount may result from acquirers' selection strategy, which prefers low-valued targets. I will give an introduction into Stein's (1997) paper to talk about the potential advantages of internal capital markets. We will then discuss the empirical issues involved in the identification and interpretation of the conglomerate discount.

Required Readings:

Berger, Philip G., and Eli Ofek, 1995, *Diversification's Effect on Firm Value*, Journal of Financial Economics 37, pp. 39-65

Graham, John R.; Michael Lemmon, and Jack Wolf, 2002, *Does Corporate Diversification Destroy Value?*, Journal of Finance 57, pp. 695-720

Additional Readings:

Berger, Philip G., and Eli Ofek, 1995, *Diversification's Effect on Firm Value*, Journal of Financial Economics 37, pp. 39-65

Lang, Larry, and Rene Stulz, 1994, *Tobin's Q, Corporate Diversification and Firm Performance*, Journal of Political Economy 102, pp. 1248-1280

Lins, Karl, and Henri Servaes, 1999, *International Evidence on the Value of Corporate Diversification*, Journal of Finance 54, no. 6 (December), pp. 2215-2239

Scharfstein, David S., and Jeremy C. Stein, 2000, *The Dark Side of Internal Capital Markets: Divisional Rent-Seeking and Inefficient Investment*, Journal of Finance 55, no.6 (December), pp. 2537-2546

Stein, Jeremy C, 1997, *Internal Capital Markets and the Competition for Corporate Resources*, Journal of Finance 52, pp. 111-133

Villalonga, Belen, 2004, *Diversification Discount or Premium? New Evidence From BITS Establishment-Level Data*, Journal of Finance 59, no. 2 (April), pp. 479-506

Villalonga, Belen, 2004, *Does Diversification Cause the 'Diversification Discount'?*, Financial Management 33, no. 2 (Summer), pp. 5-27

### FIN 901 Behavioral Finance

Seminar 2st. Weber, M.

Einzel Di 13:45 - 14:45 04.03.2014-04.03.2014

#### Kommentar:

**Time: Tuesdays, 13:45-15:15 (B4) in L 5, 2, R. 107, (Chair Library)**

**Start date: Thursday, February 13th, 2014 in SN 163 11:46 (attendance mandatory)**

**For further information please go to the course webpage:**

**[http://weber.bwl.uni-mannheim.de/de/lehre/doctoral\\_studies\\_phd/fin\\_901\\_behavioral\\_finance/](http://weber.bwl.uni-mannheim.de/de/lehre/doctoral_studies_phd/fin_901_behavioral_finance/)**

### IS 802 Simulation

Vorlesung 2st. Schader, M.

wtl Di 10:15 - 11:45 18.02.2014-30.05.2014 L 15, 1-6 (Hochhaus) 714-715

#### Kommentar:

Syllabus/Content:

- Basic R Programming
- Random Variable Generation
- Monte Carlo Integration
- Controlling and Accelerating Convergence
- Monte Carlo Optimization
- Metropolis-Hastings Algorithms

In this course, we obtain an entry into Monte Carlo computational techniques. In particular, the purpose is to become familiar with the programming aspects of Monte Carlo methodology through practical implementation. Theoretical foundations are largely avoided – they may be looked up in Christian P. Robert, George Casella: Monte Carlo Statistical Methods (2nd ed.), Springer, 2004.

Literature

- Christian P. Robert, George Casella: Introducing Monte Carlo Methods with R, Springer, 2010.

-----

- Sheldon M. Ross: Simulation (5th ed.), Elsevier, 2013.
- James E. Gentle: Random Number Generation and Monte Carlo Methods (2nd ed.), Springer-Verlag, 2003.
- Paul Bratley, Bennet L. Fox, Linus E. Schrage: A Guide to Simulation (2nd ed.), Springer-Verlag, 1987.
- W. David Kelton, Randall P. Sadowski, David T. Sturrock: Simulation with Arena, Mcgraw-Hill, 2009.
- Donald E. Knuth: The Art of Computer Programming, Vol. 2 (3rd ed.), Addison-Wesley, 1998.

**A note to CDSB Students:** Software or docs you'll need to have available:

R (v 2.15.2 or higher); maybe downloaded from <http://www.r-project.org>.

Previous Experience: Mathematics, Statistics.

#### Enrollment:

Via ILIAS not later than February 3rd, 2014.

**On Tuesday, 18th February 2014, 10:15 - 11:45 a.m., a brief introduction into the course outline will be given.**

### IS 911 Context-Aware Computing

Vorlesung 2st. Becker, C.

wtl Do 10:15 - 11:45 13.02.2014-29.05.2014

#### Kommentar:

This course covers principles and foundations of context-aware computing. Approaches to context acquisition, reasoning and management are presented and current trends in research are discussed.

**The lessons take place at L15, 1-6, room 214/215.**

### IS 915 Compiler Construction

Vorlesung 2st. Becker, C.

Einzel Di 15:00 - 17:00 08.04.2014-08.04.2014 L 15, 1-6 (Hochhaus) 714-715

wtl Do 15:30 - 17:00 20.02.2014-29.05.2014

#### Kommentar:

**Aim of module:**

This course aims at PhD students in information systems and computer science. The goal of this course is learning the principles of compiler construction. We are pursuing an interactive approach. Based on Wirth's Compiler Construction book we are discussing the theoretical foundations, e.g., formal languages, lexical and syntactical analysis, and transfer these to a small programming project. Furthermore, we discuss current trends in languages for lightweight computation at the end of the course.

**Prerequisites:**

Formal: -

Recommended: Fundamentals in Computer Science and Programming

**Literature:**

- Niklaus Wirth: *Compiler Construction*. Addison-Wesley, 1996.

**MAN 803 Applied Econometrics in Management Research**

Doktorandenseminar 2st.

Biemann, T.

Einzel Mi 08:00 - 18:00 14.05.2014-14.05.2014 L 9, 1-2 001

Einzel Do 08:00 - 18:00 15.05.2014-15.05.2014 L 9, 1-2 409

Einzel Fr 08:00 - 18:00 16.05.2014-16.05.2014 L 9, 1-2 409

**Kommentar:**

**Aim of module:**

This course transmits knowledge about econometric methods and their application in empirical entrepreneurship and management research. Students will be able to understand and apply quantitative methods for analyzing various entrepreneurship and management related research questions, such as entry determinants of entrepreneurship, firm performance, organizational change, human resource management and strategic management.

Students will be introduced to the theory and the application of econometric methods (such as advanced regression analyses, structural equation models, and hierarchical linear models) in management and entrepreneurship research. The application will be demonstrated with practical examples and exercises using general purpose software packages such as SPSS, as well as more specialized programs such as AMOS.

**Assessment form:**

Students are expected to apply the acquired methodical knowledge by demonstrating their ability to analyze an empirical research question. They have to pass the end-term exam.

This module is a core course for the PhD students in the Center for Doctoral Studies in Business (CDSB) as well as master students in the Business Research Course Program at the University of Mannheim.

**Learning outcomes:**

**Learning outcomes:**

By the end of the module students will: gain an overview of various quantitative methods, such as

- 1) Regression models (generalized linear model)
- 2) Factor analysis
- 3) Full structural equation models
- 4) Hierarchical linear models
- 5) Panel and growth curve models

· and their application in the field of management and entrepreneurship research by using different software packages such as PASW 17, AMOS and SYSTAT 10.

· master several challenging new themes in the area of entrepreneurship research.

**Prerequisites:**

Formal: none

Recommended: Basics of Econometrics for M.Sc.

Courses Hours per week Self-study ECTS

Lecture and exercise class 2 14 8

ECTS in total 8

Form of assessment end-term exam

Lecturer/Person in charge Professor Torsten Biemann

Duration of module 1 Semester

Offering FSS

Language Englisch

Range of application Mannheim Master in Management, CDSB Management

**Class Meetings**

The Course takes place from May, 15<sup>th</sup> to May, 17<sup>th</sup> 2013, Room: O 226, Schloss

Wed 9.30 to 5 p.m.

Thu 9.30 to 5 p.m.

Fri 9.30 to 5 p.m.

**Registration**

- PhD-Candidates of the CDSB Program should register via "Studierendenportal".

- PhD-Candidates who are not part of the CDSB-Programme should send an email to [biemann@bwl.uni-mannheim.de](mailto:biemann@bwl.uni-mannheim.de) (If possible indicate your "Matrikelnummer")

### MAN 804 Advances in Strategic Management

Doktorandenseminar 2st.

Brauer, M.

|        |    |               |                       |
|--------|----|---------------|-----------------------|
| Einzel | Mo | 15:30 - 20:00 | 17.02.2014-17.02.2014 |
| Einzel | Mo | 15:30 - 20:00 | 31.03.2014-31.03.2014 |
| Einzel | Mo | 15:30 - 20:00 | 07.04.2014-07.04.2014 |
| Einzel | Mo | 15:30 - 20:00 | 28.04.2014-28.04.2014 |
| Einzel | Mo | 15:30 - 20:00 | 12.05.2014-12.05.2014 |
| Einzel | Mo | 15:30 - 20:00 | 19.05.2014-19.05.2014 |
| Einzel | Mo | 15:30 - 20:00 | 26.05.2014-26.05.2014 |

#### Kommentar:

##### Aim of module:

The seminar serves the purpose of familiarizing students with the most relevant research streams and trends in strategy research. Besides a review of the current state-of-the-art, we will engage in a discussion about the most prevalent theoretical lenses, key subject areas and phenomena as well as the empirical designs applied by scholars in these areas.

##### Learning outcomes:

- Develop an understanding of the most established as well as the latest emerging literature substreams in strategy research
- Gain an overview of the most prevalently studied phenomena and subject areas in these literature substreams
- Become familiar with the theoretical and methodological approaches used to address the different sets of research questions
- Capitalize on a critical reflection of the current state of the literature, to develop a research proposal

##### Assessment:

Oral presentation (including annotated slides) and written assessment (i.e., research proposal)

##### Location:

The course will take place at L4,1 Room 004.

### MKT 802 Marketing Theories

Vorlesung und Übung 4st.

Kuester, S. / Rauch, A.

|        |    |               |                       |
|--------|----|---------------|-----------------------|
| Einzel | Di | 09:00 - 10:00 | 06.05.2014-06.05.2014 |
| Einzel | Mi | 09:00 - 16:30 | 02.07.2014-02.07.2014 |
| Einzel | Do | 09:00 - 16:30 | 03.07.2014-03.07.2014 |

#### Kommentar:

##### Module: MKT 802 Marketing Theories

##### Aim of module:

This course is designed to provide students with a strong theoretical background in order to understand the functioning of instruments, activities, models, and decisions of marketing. Knowledge of these theories can then be used in order to describe, explain and predict both consumer buying behavior and managerial decision making.

##### Learning outcomes:

Gaining a profound understanding of theories and models of psychology, sociology, micro-economics and behavioral science as they pertain to marketing and consumer behavior will develop and facilitate the students' ability to conduct sound academic research and help them to derive hypotheses for their own research projects.

##### Prerequisites:

**Formal:** none

**Recommended:** none

##### Courses

**Hours per week**

**Self-study      ECTS**

Vorlesung/Seminar

2

6                      4

Vor- und Nachbereitung

2

6 4

ECTS in total:

8

**Form of assessment**

Homework assignments, class participation presentation

**Lecturer/Person in charge**

Prof. Kuester

**Duration of module**

1 Semester

**Offering**

Spring Term

**Language**

English

**Range of application**

Mannheim Master in Management, CDSB Marketing

**MKT 803 Consumer Behavior**

Doktorandenseminar

Prigge, J.

|        |    |               |                       |
|--------|----|---------------|-----------------------|
| Einzel | Mo | 15:45 - 18:45 | 05.05.2014-05.05.2014 |
| Einzel | Mo | 09:00 - 12:00 | 12.05.2014-12.05.2014 |
| Einzel | Mi | 09:00 - 12:00 | 07.05.2014-07.05.2014 |
| Einzel | Mi | 09:00 - 12:00 | 14.05.2014-14.05.2014 |
| Einzel | Fr | 09:00 - 12:00 | 09.05.2014-09.05.2014 |
| Einzel | Fr | 09:00 - 12:00 | 16.05.2014-16.05.2014 |

**Kommentar:**

This course is a CDSB core course and is also open to doctoral students not enrolled in the CDSB program.

The course will be taught by Prof. Dr. Wayne Hoyer, University of Austin, TX, USA.

Please register online for this course on the CDSB-website by the due date: [www.uni-mannheim.de/cds/CourseReg/signin.html](http://www.uni-mannheim.de/cds/CourseReg/signin.html)

**Course Content and Organization**

The goal of this course is to provide insights into research and content issues in Consumer Behavior. Students will read key research papers on important topics and critically evaluate the studies. This course takes an 'information processing' perspective to examine consumer behavior. The key focus will be to examine how consumers process marketing stimuli and make decisions. This includes topics such as motivation, attention and comprehension, memory, attitudes and attitude change, and decision making models. Both classic and current papers on these topics will be discussed. Students will be expected to read assigned articles prior to class and be prepared to discuss them.

**MKT 901 Designing Marketing Research Projects**

Doktorandenseminar

Homburg, C. / Prigge, J.

|        |    |               |                       |
|--------|----|---------------|-----------------------|
| Einzel | Di | 15:00 - 17:00 | 25.03.2014-25.03.2014 |
| Einzel | Mi | 09:00 - 12:00 | 28.05.2014-28.05.2014 |
| Einzel | Mi | 09:00 - 12:00 | 11.06.2014-11.06.2014 |
| Einzel | Do | 09:00 - 12:00 | 22.05.2014-22.05.2014 |

**Kommentar:**

For all relevant information please check: <http://homburg.bwl.uni-mannheim.de/401.html>

**Evaluation:**

Presentation of the research project (60%), active participation in the discussion of the other presentations (40%).

**Participants and Registration:**

This course is especially useful for Ph.D. students in the second semester (in the first year) who have to prepare their dissertation proposal by August. The course is open to students of all areas in business administration. In particular, it is designed for students (Ph.D. or Master track "Business Research") in the areas marketing, management, and information systems.



Please register online for this course on the CDSB-website by the due date:

[www.uni-mannheim.de/cds/CourseReg/signin.html](http://www.uni-mannheim.de/cds/CourseReg/signin.html)

The number of participants is limited to **12**.

In addition to the registration and for the same deadline, students must indicate the research projects they want to present (topic plus abstract of about 300 words). Documents have to be sent by E-Mail to [homburg@bwl.uni-mannheim.de](mailto:homburg@bwl.uni-mannheim.de).

**Contact Person:** Dr. Jana-Kristin Prigge

**Kick-Off :**

March 18, 2014, 14.00h - 16.00h

Roche Forum, L5, 1, Ground Floor

**Information:**

Identifying and positioning impactful research projects:

- sources of inspiration
- relevance of topics
- requirements regarding data and analysis
- journal choice

Paper writing:

- journal-specific aspects
- title, abstract and structure of a paper
- writing a good introduction
- clarity
- proper use of literature

Surviving the review process:

- prior to submission: friendly reviewing and copy-editing
- journal-specific aspects
- possible decisions
- key success factors in a revision process

Preparing research presentations:

- structure and content
- general presentation recommendations

**Literature to be prepared for the Kick-Off:**

Davis, D. F., Golicic, S. L., Boerstler, C. N. (2011), Benefits and Challenges of Conducting Multiple Methods Research in Marketing, *Journal of the Academy of Marketing Science*, 39, 3, 467-479.

Erdem, T. (2010), Spanning the Boundaries, *Journal of Marketing Research*, 47, February, 1-2.

Gulati, R. (2007), Tent Poles, Tribalism, and Boundary Spanning: The Rigor-Relevance Debate in Management Research, *Academy of Management Journal*, 50, 4, 775-782.

Homburg, Ch. (2003), Publishing Processes in the Academic Marketing Discipline in the United States: A German Perspective, *Journal of the Academy of Marketing Science*, 31, 3, 348-350.

Huber, J. (2008), The Value of Sticky Articles, *Journal of Marketing Research*, 45, June, 257-260.

Jaworski, B. J. (2011), On Managerial Relevance, *Journal of Marketing*, 75, July, 211-224.

Kohli, A. K. (2009), From the Editor, *Journal of Marketing*, 73, January, 1-2.

Lehmann, D. R., McAlister, L., Staelin, R. (2011), Sophistication in Research in Marketing, *Journal of Marketing*, 75, July, 155-165.

Lilien, G. L. (2011), Bridging the Academic-Practitioner Divide in Marketing Decision Models, *Journal of Marketing*, 75, July, 196-210.

Reibstein, D. J., Day, G., Wind, J. (2009), Guest Editorial: Is Marketing Academia Losing Its Way? *Journal of Marketing*, 73, July, 1-3.

Stewart, D. W. (2009), The Role of Method: Some Parting Thoughts from a Departing Editor, *Journal of the Academy of Marketing Science*, 37, 4, 381-383.

Varadarajan, P. R. (2003), Musings on Relevance and Rigor of Scholarly Research in Marketing, *Journal of the Academy of Marketing Science*, 31, 4, 368-376.

Yadav, M. S. (2010), The Death of Conceptual Articles and Implications for Knowledge Development, *Journal of Marketing*, 74, January, 1-19.

**Presentation Sessions:**

April 11, April 17 & 18, 2013, 9.00h - 12.00h Place Roche Forum, L5, 1, Ground Floor

**Information:**

- Presentation of own research project (positioning, research questions, theoretical background, hypotheses, method and data, potential outcomes and implications) with a maximum of 25 slides (about 40 minutes per project)
- Discussion of projects with the instructor and with the other participants (about 20 minutes per project)
- Guidelines for improving the projects

**Course objective:**

This course aims at preparing students to formulate their own marketing research problems (e.g., as parts of their dissertation projects), to shape their contribution with respect to the existing literature, and to identify the necessary data and methods to conduct their research projects. As benchmark for the students' research projects, the actual standards with respect to innovativeness, relevance, and rigor of the leading international marketing journals will be applied. Furthermore, implications for practice have to be considered.

**Course description:**

In this course, students will develop their own marketing research projects (e.g., as parts of their own dissertation projects). In presentation sessions, students will present their research project to all participants of the class and to the instructor. Discussions among participants as well as the instructor's feedback aim at strengthening and refining the positioning and the contribution of the individual projects. Students in the first year of their Ph.D. studies can thus use this course to get important insights for the preparation and refinement of their dissertation proposal.

At the beginning of the course, objectives, general guidelines, and best practices for developing impactful research projects will be provided in a kick-off meeting. Furthermore, best practices how to get published in leading journals will be discussed. Then, students will start developing their projects. Students are not limited with respect to the choice of their individual research topic; however, it is made in accordance with the instructor.

Students will prepare the project by developing a presentation containing the positioning and research questions, a brief literature review, the theoretical foundations and research hypotheses, as well as an outlook on potential methodological approaches (such as obtaining and analyzing adequate data). Students will present their research projects. Based on the course participants' and the instructor's feedback, students can update and refine their research projects.

**MKT 902 Advances in Marketing Research**

|           |                  |                                    |
|-----------|------------------|------------------------------------|
| Vorlesung | 4st.             | Kraus, F.                          |
| wtl       | Fr 10:15 - 13:30 | 14.02.2014-30.05.2014 L 9, 1-2 009 |

**Kommentar:**

The primary goal of Advances in Marketing Research is to help students prepare to conduct research which is publishable in the leading research journals in their respective disciplines. Hence, the feedback students receive will be consistent with that dispensed by the reviewers and editors of the most prestigious research journals in business (i.e., highly critical). Even when a manuscript is accepted for publication at a leading journal, the authors typically receive mostly negative comments on their work. It is important that students not take criticism of their research personally. To do so would be extremely ego deflating and would interfere with their subsequent performance on other assignments. Moreover, students need to develop the ability to accept and use criticism to be able to survive in the academic publishing world.

Advances in Marketing Research is designed to assist doctoral candidates in acquiring a deeper understanding of the research process and a knowledge of the research tools which they will need to design and execute scientific research on behavioral and organizational issues in marketing. An effort is made to help the students develop research judgment as well as research skills so that they will be better able to assess when a proposed piece of research is likely to be fruitful and when it is not.

Further information can be found on the Chair's website: <http://kraus.bwl.uni-mannheim.de/89.html>

**OPM 802 Dynamic and Stochastic Models in Supply Chain Research**

|           |                  |   |
|-----------|------------------|---|
| Vorlesung | 2st.             | Koole, G.   |
| Einzel    | Do 08:30 - 12:00 | 03.04.2014-03.04.2014 Schloß Ostflügel O048-050       |
| Einzel    | Do 12:00 - 18:00 | 03.04.2014-03.04.2014 Schloss Schneckenhof Ost SO 322 |
| Einzel    | Do 13:00 - 17:00 | 03.04.2014-03.04.2014 Schloss Schneckenhof Ost SO 318 |
| Einzel    | Do 08:30 - 17:00 | 15.05.2014-15.05.2014 Schloss Schneckenhof Ost SO 318 |
| Einzel    | Do 17:30 - 19:00 | 15.05.2014-15.05.2014 Schloss Schneckenhof Ost SO 318 |
| Einzel    | Fr 08:30 - 17:00 | 04.04.2014-04.04.2014 Schloss Schneckenhof Ost SO 318 |
| Einzel    | Fr 08:30 - 17:00 | 16.05.2014-16.05.2014 Schloss Schneckenhof Ost SO 318 |

**Kommentar:**

This course deals with the theory and algorithms for stochastic dynamic optimization with applications to controlled stochastic systems (e.g., call center management, inventory control, revenue management).

We discuss aspects of semi-Markov decision theory and their applications in certain queueing systems. In programming assignments, participants learn to implement optimization algorithms and experiment with them.

**OPM 804 - Advanced OR Methods in Operations Management**

|           |                  |   |
|-----------|------------------|---|
| Vorlesung | 4st.             | N., N.  |
| Einzel    | Mo 08:30 - 18:45 | 24.03.2014-24.03.2014 Schloss Schneckenhof Ost SO 318 |
| Einzel    | Di 08:30 - 18:45 | 25.03.2014-25.03.2014 Schloss Schneckenhof Ost SO 318 |
| Einzel    | Do 08:30 - 11:45 | 08.05.2014-08.05.2014 Schloss Schneckenhof Ost SO 318 |
| Einzel    | Do 12:00 - 13:30 | 08.05.2014-08.05.2014 Schloss Schneckenhof Ost SO 322 |
| Einzel    | Do 13:45 - 18:45 | 08.05.2014-08.05.2014 Schloss Schneckenhof Ost SO 318 |
| Einzel    | Fr 08:30 - 18:45 | 09.05.2014-09.05.2014 Schloss Schneckenhof Ost SO 322 |

**Kommentar:**

**Lecturer:** Prof. Dr. Florian Sahling

**Aim of module:**

This course aims at PhD students in operations management, information systems, business administration, and computer science. Students will receive a deeper understanding of solution approaches based on mathematical programming usually used to solve problems of Operations Management numerically. Implementation details for state-of-the-art methods are discussed. All lectures will be given in a computer lab, where these approaches are implemented in GAMS. During the course students will work on assignments.

**Learning outcomes:**

The students will become acquainted with state-of-the-art solution approaches based on mathematical programming, such as e.g. Column Generation and Fix-and-Optimize. Based on problems from Operations Management, they will learn how these methods can be implemented in standard modelling software.

**Prerequisites:**

**Formal:** None

**Recommended:** A fundamental knowledge in mathematics (including Mixed-Integer Linear Programming) is strongly recommended. Furthermore, students should be familiar with at least one modelling software (GAMS preferred).

**OPM 901 - Research Seminar Operations Management & Operations Research**

Forschungsseminar Fleischmann, M. / Göttlich, S. / Schön-Peterson, C. / Stollitz, R. / Schwarz, J.

wtl Do 12:00 - 13:30 13.02.2014-30.05.2014 Schloss Schneckenhof Ost SO 318

Einzel Do 12:00 - 13:30 10.04.2014-10.04.2014 Schloß Ostflügel O 131

Einzel Do 12:00 - 13:30 15.05.2014-15.05.2014 Schloß Ostflügel O 131

**Kommentar:**

**Brown Bag Seminar**

This seminar series is supposed to be a regular non-mandatory meeting for members of the Area Operations Management, the Chair of Business Mathematics, and others. The focus is on presenting and discussing

- ideas for further research,
- intermediate reports regarding ongoing projects, and
- recent final results.

The seminar's designated target is to establish a discussion platform, to increase awareness of research conducted in the areas. Topics of presentations may cover all aspects being relevant in the field of Operations Management & Operations Research. All members of the areas are highly encouraged to contribute by presenting their work.

**OPM 910 Area Operations Management Research Seminar**

Seminar Fleischmann, M. / Schön-Peterson, C. / Stollitz, R.

wtl Mi 12:00 - 13:30 12.02.2014-28.05.2014 Schloß Ostflügel O 131

**TAX 801 Business Taxation**

Vorlesung 4st. Voget, J.

wtl Fr 13:45 - 17:00 14.02.2014-30.05.2014 Schloß Ostflügel O 226/28

Einzel Fr 08:30 - 13:30 11.04.2014-11.04.2014 Schloß Ostflügel O 251-53

Einzel Fr 13:45 - 17:00 06.06.2014-06.06.2014 Schloß Ostflügel O 226/28

Einzel Fr 13:45 - 17:00 13.06.2014-13.06.2014 Schloß Ostflügel O 251-53

**Kommentar:**

tba

| <b>TAX 912 European Tax Law (CDSB - Doktorandenstudium)</b> |    |               |                       |                           |            |
|---|----|---------------|-----------------------|---------------------------|------------|
| Vorlesung   |    |               |                       | 2st.                      | Fetzer, T. |
| wtl   | Di | 08:30 - 10:00 | 11.02.2014-18.02.2014 | Schloß Ostflügel O 251-53 |            |
| Einzel  | Di | 08:30 - 10:00 | 25.02.2014-25.02.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 11:45 | 04.03.2014-04.03.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 10:00 | 11.03.2014-11.03.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 11:45 | 18.03.2014-18.03.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 10:00 | 25.03.2014-25.03.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 10:00 | 01.04.2014-01.04.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 11:45 | 08.04.2014-08.04.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 10:00 | 29.04.2014-29.04.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 11:45 | 06.05.2014-06.05.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 10:00 | 13.05.2014-13.05.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 10:00 | 20.05.2014-20.05.2014 | Schloß Ostflügel O048-050 |            |
| Einzel  | Di | 08:30 - 10:00 | 27.05.2014-27.05.2014 | Schloß Ostflügel O048-050 |            |

**Kommentar:**

Course description:  
This course considers in depth European tax law by analyzing the fundamental freedoms in context with taxation and by discussing European Court decisions and pending cases in context with the fundamental freedoms and direct taxation. The course is recommended to those students who are interested in European tax law, court decisions and its impact on national taxation.

Assessment type:  
Written assignment, presentation and oral discussion

Prerequisites:  
Basic knowledge of national and international tax law

Literature:  
Readings will be announced during the course (see Seminar documents)  
Please register at Prof. Spengel's office

Syllabus:

| <b>TAX 915 Topics in International Taxation</b> |    |               |                       |                           |                         |
|---|----|---------------|-----------------------|---------------------------|-------------------------|
| Vorlesung                                       |    |               |                       | 2st.                      | Spengel, C. / Voget, J. |
| wtl   | Di | 15:30 - 17:00 | 11.02.2014-27.05.2014 | Schloß Ostflügel O 251-53 |                         |

**Kommentar:**

This course delineates the research frontier in International Taxation. Key results of existing research and remaining open questions will be discussed. Following topics may be covered:

- Taxation and the Location of Research & Development
- Tax Complexity/ Costs of Compliance
- Profit Shifting
- Capital Structure
- Tax Accounting
- The Effect of Taxes under Uncertainty
- Taxation of the Financial Sector
- Tax Neutrality
- Measures of Tax Rates

The focus of the course can be adjusted to special needs of the participants.

| <b>TAX 917 Applied Econometrics II</b> |    |               |                       |                           |
|--|----|---------------|-----------------------|---------------------------|
| Vorlesung                              |    |               |                       | Voget, J.                 |
| Einzel                                 | Mo | 09:00 - 17:00 | 02.06.2014-02.06.2014 | Schloß Ostflügel O 251-53 |
| Einzel                                 | Di | 09:00 - 17:00 | 03.06.2014-03.06.2014 | Schloß Ostflügel O 251-53 |
| Einzel                                 | Di | 09:00 - 17:00 | 10.06.2014-10.06.2014 | Schloß Ostflügel O 251-53 |
| wtl                                    | Mi | 10:15 - 13:30 | 30.04.2014-11.06.2014 | Schloß Ostflügel O 251-53 |
| wtl                                    | Fr | 08:30 - 13:30 | 02.05.2014-13.06.2014 | Schloß Ostflügel O 251-53 |

**Kommentar:**

This course covers empirical methods which were not part of the Applied Econometrics I module. Potential topics are determined according to demand and may include limited dependent variable regressions (binary, multinomial, sample selection, count data), matching estimators, quantile regressions and programming. Grading is based on presentations, empirical assignments

and participation. The schedule of the course can be adjusted(blocked etc.) if interested students are not available at the proposed time slot. In this case, send the lecturer a mail as soon as possible.

### **TAX 918 Recent contributions in public economics/taxation**

Vorlesung

Voget, J.

wtl Fr 10:15 - 11:45 14.02.2014-30.05.2014 Schloß Ostflügel O 226/28

#### **Kommentar:**

The schedule of the course can be adjusted(blocked etc.) if interested students are not available at the proposed time slot. In this case, send the lecturer a mail as soon as possible.

## **Center for Doctoral Studies in Economics (CDSE)**

### **Doktorandenseminar**

Doktorandenseminar 2st.

Krebs, T.

wtl Di 13:45 - 15:15 18.02.2014-30.05.2014 L 9, 1-2 002

### **E800 CDSE Seminar**

Seminar 2st.

Schmidt-Dengler, P. / Weber, A.

wtl Di 15:30 - 17:00 11.02.2014-27.05.2014 L 7, 3-5 S 031

#### **Kommentar:**

**Course title:** CDSE Seminar

**Instructor:** Prof. Dr. Schmidt-Dengler / Prof. Dr. Weber

**Method (hours per week):** Colloquium (2 h )

**Course level:** 2nd and higher year Ph.D. students from the Center for Doctoral Studies in Economics (CDSE); 2nd year students from the Master of Economic Research

**Course language:** English

**ECTS credits:** 3 (only for PhD students in semester 3 - 6)

### **E801 Advanced Microeconomics II**

Vorlesung und Übung 3st.

Honryo, T. / Penczynski, S.

wtl Mo 08:30 - 11:45 10.02.2014-28.03.2014 L 7, 3-5 P 044

Einzel Mo 09:00 - 12:00 24.03.2014-24.03.2014 A 5, 6 Bauteil B B 244

wtl Mi 15:30 - 17:00 12.02.2014-28.03.2014 L 7, 3-5 P 044

#### **Kommentar:**

**Module number and title:** E801 Advanced Microeconomics II

**Responsible teacher of the module:** Prof. Stefan Penczynski / Professor Takakazu Honryo

**Form and applicability of the module:** Core course PhD program

**Duration of the Module:** Half a semester

**Cycle of offer:** each spring semester

**ECTS-Credits:** 5

**Teaching method:** Lecture (2) + tutorial (1)

**Course language:** English

**Prerequisites:** E700-E703

**Goals and Contents of the module:** The module consists of two parts. The first part (Honryo) covers the theory of general equilibrium. The goal is to introduce the basic concepts and tools in the field and to facilitate your transition from undergraduate study to your own research. The second part (Penczynski) covers essential topics of behavioral and experimental economics, such as prospect theory, time inconsistency, social preference, bounded rationality, strategic thinking.

**Expected Competences acquired after completion of the module:** After the first part, students should be familiar with the basic properties of general equilibrium models, and are able to understand research papers written in the field. After the second part, students will be able to describe some of the most important theories and experimental results of the field of behavioral economics and apply these concepts to new situations of economic relevance. They can re-consider canonical models from a behavioral perspective

**Requirements for the assignment of ECTS-Credits and Grades:** Final examination (120 min)

**Literature:** Mas-Colell, Whinston and Green: Microeconomic Theory. Oxford UP 1995

### E802 Advanced Macroeconomics II

Vorlesung und Übung 2st. Adam, K.

|        |    |               |                       |                |
|--------|----|---------------|-----------------------|----------------|
| wtl    | Mo | 13:45 - 15:15 | 17.02.2014-28.03.2014 | L 7, 3-5 P 044 |
| wtl    | Mi | 10:15 - 11:45 | 12.02.2014-28.03.2014 | L 7, 3-5 P 044 |
| wtl    | Mi | 13:45 - 15:15 | 12.02.2014-28.03.2014 | L 7, 3-5 P 044 |
| Einzel | Mi | 09:00 - 12:00 | 26.03.2014-26.03.2014 | L 9, 1-2 001   |

#### Kommentar:

**Module number and title:** E802 Advanced Macroeconomics II

**Responsible teacher of the module:**

**Form and applicability of the module:** Core course for Master in Economic Research and PhD program

**Duration of the Module:** Half a semester **Cycle of offer:** each spring semester

**ECTS-Credits:** 5 **Prerequisites:** E700-E703

**Teaching method:** Lecture (2 SWS) + tutorial (1SWS) **Course language:** English

**Goals and Contents of the module:** This course covers basic methods useful for dynamic economic modeling under rational expectations.

1. Linear Rational Expectations (RE) Models  
linearizing economic models and solving linear RE models:  
determinacy, indeterminacy, and 'sunspot' equilibria
2. Linear RE models and Vector Auto-Regressions (VARs)  
state space representation of economic models-  
VAR representation of observables, invertibility problems  
identification of economic shocks
3. Linear Quadratic (LQ) Dynamic Programming  
solving LQ problems: Ricatti equation, invariant subspace methods  
stochastic problems and certainty equivalence
4. Introduction to the New Keynesian Model and its Linearized Form

**Requirements for the assignment of ECTS-Credits and Grades:** Final examination (120 min), solutions to problem sets, and participation in exercise sessions.

**Literature:** to be determined

**Contact person:** Prof. Dr. Klaus Adam, Tel. 181-1809, e-Mail: adam@uni-mannheim.de, L 7, 3-5, room 2.47

### E803 Advanced Econometrics II

Vorlesung und Übung 3st. Kastoryano, S.

|        |    |               |                       |                |
|--------|----|---------------|-----------------------|----------------|
| wtl    | Di | 13:45 - 15:15 | 11.02.2014-25.03.2014 | L 7, 3-5 P 044 |
| wtl    | Do | 12:00 - 13:30 | 13.02.2014-24.03.2014 | L 7, 3-5 P 044 |
| wtl    | Do | 13:45 - 15:15 | 13.02.2014-24.03.2014 | L 7, 3-5 P 044 |
| Einzel | Fr | 09:00 - 12:00 | 28.03.2014-28.03.2014 | L 9, 1-2 001   |

#### Kommentar:

**Module number and title:** E803 Advanced Econometrics 3

**Responsible teacher of the module:** Dr. Stephan Kastoryano

**Form and applicability of the module:** Core course for Master in Economic Research and PhD program

**Duration of the module:** 1 semester

**Cycle of offer:** each spring semester

**ECTS-Credits:** 5

**Maximum number of class attendants:** 25

**Teaching method:** Lecture (2 SWS) + tutorial (1 SWS)

**Course language:** English

**Prerequisites:** E700-E703

**Goals and Contents of the module:** The goal of the module is to offer advanced treatment to econometric theory and to serve as the gate way to further advanced theoretical and applied econometric modules offered in the economics graduate program offered at the Department of Economics in Mannheim.

The module offers an revision of undergraduate level econometrics before moving to extensive coverage of large- sample theory and some organizing estimation principles such as GMM and Etremum estimators. Asymptotic properties of these estimators are also the focus of the module as well as the treatment of serial correlation.

**Expected competences acquired after completion of the module:**

**Requirements for the assignment of ECTS-Credits and Grades:** written final exam 120 min

**Contact person:** Dr. Stephan Kastoryano

### **E804 Advanced Microeconomics III**

Vorlesung und Übung 3st.

Tröger, T.

|        |    |               |                       |                |
|--------|----|---------------|-----------------------|----------------|
| wtl    | Di | 12:00 - 13:30 | 01.04.2014-31.05.2014 | L 7, 3-5 P 044 |
| Einzel | Mi | 10:00 - 12:15 | 04.06.2014-04.06.2014 |                |
| wtl    | Do | 08:30 - 10:00 | 03.04.2014-31.05.2014 | L 7, 3-5 P 044 |
| wtl    | Fr | 08:30 - 10:00 | 04.04.2014-31.05.2014 | L 7, 3-5 P 044 |

#### **Kommentar:**

**Module number and title:** E804 Advanced Microeconomics

**Responsible teacher of the module:** Professor Dr. Thomas Tröger

**Form and applicability of the module:** Core course for Master in Economic Research and PhD program

**Duration of the Module:** 1 semester

**Cycle of offer:** each spring semester

**ECTS-Credits:** 5

**Expected number of students in class:** 25

**Teaching method:** Lecture (2 SWS) + tutorial (1 SWS)

**Course language:** English

**Prerequisites:** E700-E703, E801- E806

**Goals and Contents of the module:** The goal is to provide an introduction to the role of private information and strategic use in various environments including markets, contracts, negotiations, regulation, communication, political processes, and expert advice.

Summary of contents:

- Adverse Selection
- Signaling
- Screening
- Moral Hazard
- Mechanism Design

**Expected competences acquired after completion of the module:** Successful participants' understanding of the role of private information in straregic envirinments os at the forefront of current reserach. they are ready to begin developing their own reserach question in this field of study, can synthesize their knowledge with the study of economic problems concerning benefical regulatary interventions in various contexts of market failure. Crucially, successful participants understand the fundamen-

tal tension between private information and achieving social goals. The understanding enlightens their judgement of conflict and cooperation in a wide range of social situations beyond the narrow contexts of economics.

**Requirements for the assignment of ECTS-Credits and Grades:** written final exam (120 min)

**Contact person:** Professor Dr. Thomas Tröger

**Additional teachers:** Vincents Meisner

**Literature:** Standard textbook for most of the material in this course is: Mas- Colell, Whinston and Green: Microeconomic Theory

### E805 Advanced Macroeconomics III

Vorlesung und Übung 2st. Krebs, T.

|     |    |               |                       |                |
|-----|----|---------------|-----------------------|----------------|
| wtl | Mo | 13:45 - 15:15 | 07.04.2014-30.05.2014 | L 7, 3-5 P 044 |
| wtl | Di | 10:15 - 11:45 | 01.04.2014-27.05.2014 | L 7, 3-5 P 044 |
| wtl | Mi | 10:15 - 11:45 | 02.04.2014-28.05.2014 | L 7, 3-5 P 044 |

#### Kommentar:

**Module number title:** E805 Advanced Macroeconomics 3

**Responsible teacher of the module:** Tom Krebs

**Form and applicability of the module:** Core course PhD

**Duration of the module:** 1 semester

**Cycle of Offer:** each spring semester

**ECTS-Credits:** 5

**Course Level:** Core Course PhD

**Teaching Method:** lecture (2 SWS) tutorial (1 SWS)

**Course Language:** English

**Prerequisites:** E700- E703, E801- E803

**Requirements for the Assignment of ECTS Credits and Grades:** There will be four problem sets and one final exam. The course grade is based on your performance in the problem sets (20%) and the final (80%).

**Goals and Contents of the module:** This course develops the basic tools of modern macroeconomics and discusses various applications. In particular, this course covers in depth the theory and computational implementation of dynamic programming. Macroeconomic applications of dynamic programming methods analyzed in this course are, among others

- 1) Infinite- Horizon Optimization with Applications: Certainty Case
- 2) Infinite. Horizon Optimization with Applications: Uncertainty Case
- 3) Complete- Market Models
- 4) Incomplete- Market Models

**Expected Competences acquired after Completion of the Module:** Students acquire a deeper understanding of the mathematical methods used in modern macroeconomics. In particular, they learn about the scope and limitation of each mathematical method. The discussion of various applications in class during TA sessions prepares students for conducting independent research on their PhD thesis. Though this course is mainly about macroeconomics, students are also able to apply the mathematical techniques (i.e. dynamic programming) to problems in other fields of economics. The generality of the mathematical/theoretical framework allows students to connect seemingly unrelated problems and issues. Students not only formulate and solve advanced scientific problems, but also learn to communicate their results effectively.

#### Literature:

- Lars Lunqvist and Thomas Sargent, Recursive Macroeconomic Theory, MIT Press, 2004 2nd edition
- Nancy L. Stokey and Robert E. Lucas, Recursive Methods in Economic Dynamics, Harvard University Press, 1989
- David Romer, Advanced Macroeconomics, McGraw Hill, 1996
- Daron Acemoglu, Introduction to Modern Economic Growth, Princeton University Press, 2009

**Contact Person:** Tom Krebs

### E806 Advanced Econometrics III

Vorlesung und Übung 3st. Frölich, M. / Trenkler, C.

|        |    |               |                       |                |
|--------|----|---------------|-----------------------|----------------|
| wtl    | Di | 13:45 - 15:15 | 01.04.2014-30.05.2014 | L 7, 3-5 P 044 |
| Einzel | Mi | 13:45 - 15:15 | 30.04.2014-30.04.2014 | L 7, 3-5 P 044 |
| Einzel | Mi | 15:30 - 17:00 | 30.04.2014-30.04.2014 | L 7, 3-5 158   |
| wtl    | Do | 12:00 - 13:30 | 03.04.2014-30.05.2014 | L 7, 3-5 P 044 |
| wtl    | Do | 13:45 - 15:15 | 03.04.2014-30.05.2014 | L 7, 3-5 P 044 |

#### Kommentar:

**Module number and title:** E806 Advanced Econometrics 3

**Form and applicability of the module:** Core course for Master in Economic Research and PhD program

**Duration of the Module:** 1 semester



**Cycle of offer:** each spring semester

**ECTS-Credits:** 5

**Maximum number of class attendants:** 25, exercises: 10-15 per group

**Teaching method:** Lecture (2 SWS) + tutorial (1 SWS)

**Course language:** English

**Prerequisites:** E700-E703, E801- E803

**Goals and Contents of the module:** The course consists of two parts

- 1) An Introduction to time series analysis is provided. We will deal with theoretical analysis of ARMA models and their empirical implementation. If time permits, unit root tests und multivariate VAR models are briefly discussed.
- 2) The secons party deals either with the identification of treatment effects or alternatively with an extended treatment of bootstrap methods. In the former case, the nonparametric indentification problem would be discussed and various semiparametric and nonparametric estimators are examined. In the latter case, bootstrap methods are discussed for variety of model set-ups.

**Expected competences acquired after completion of the module:** Mathematical argumentation, ability to read scientific texts

**Requirements for the assignment of ECTS-Credits and Grades:** written final exam and assignments

**Literature:**

- Hamilton, J.D. (1994), Time Series Analysis, Princeton University Press
- Hayashi, F. (2000), Econometrics, Princeton UNiversity Press
- Frölich and Sperlich (forthcoming), impact evaluation and treatment effects, Cambridge University Press (currently only available as lecture notes)
- Horowitz, J.L. (2001). Bootstrap, in J.J. Heckmann and E.E. Leamer (eds), Handbook of Econometrics, Vol5, North- Holland, Amsterdam.

**Contact person:** Dr. Markus Frölich, Dr Carsten Trenkler

## **E829 Dynamic Models in Empirical Industrial Organization**

Vorlesung und Übung 6st. Nosal, K. / Shcherbakov, O.

|     |    |               |                       |          |       |
|-----|----|---------------|-----------------------|----------|-------|
| wtl | Mo | 10:15 - 11:45 | 10.02.2014-26.05.2014 | L 9, 1-2 | 003   |
| wtl | Mi | 10:15 - 11:45 | 12.02.2014-28.05.2014 | L 9, 1-2 | 002   |
| wtl | Fr | 10:15 - 11:45 | 14.02.2014-30.05.2014 | L 7, 3-5 | P 043 |

**Kommentar:**

**Module number and title:** E829 Dynamic Models in Empirical Industrial Organization

**Responsible Teacher of the Module:** Kathleen Nosal / Oleksandr Shcherbakov

**Form and applicability of teh module:** elective course for Master in Economic Reserach and PhD

**Duration of the model:** 1 semester

**Cycle of offer:** each spring semester

**ECTS-Credits:** 14

**Teaching Method:** Lecture (4 SWS) + Exercise (2 SWS)

**Course Language:** English

**Prerequisites :** E 700- E703, E801- E805

**Goals and Contents of the Module:** This course covers recent techniques in development and estimation of dynamic models of investment and consumer behaviour as well as dynamic oligopoly models. Each topic will be related to one or more recent papers (particular papers from the reading list will be signed later). We will discuss in detail the model, research question, sources of identification and estimation methodology.

1. Single agent dynamics

- Math preliminaries

- Dynamic programming
- Estimation methods in dynamic models
- Applications (bus engine replacement, patent)

## 2. Dynamic Demand for differentiated products

- Durable goods
- Consumer inventory behaviour
- Uncertainty and learning demand

## 3. Multiple agent dynamics 1

- Strategic investment
- Industry dynamics

## 4. Multiple agent dynamics 2

- 2- step estimation methods
- Entry and exit
- Timing game

**Expected Competences acquired after Completion of the Module:** The students are expected to learn modern empirical methods in industrial organization with strong focus on dynamic decision making. In particular, they should be able to formulate a theoretical model of optimal consumer and/ or producer decisions in an environment characterized by state dependence as well as to conduct estimation of the structural parameters using individual or aggregate (market) level data. Acquired competences include detailed knowledge of a wide range of numerical methods used to solve demand and supply- side models. Economic strategies learned in the course include both parametric and non- parametric estimation techniques.

Expertise gained in the course allows using empirical methods to conduct counterfactual simulations to quantitatively evaluate various governmental policies and regulations. The skills could also be applied in business environment as a part of developing optimal business strategies. Successful completion of the course equips students with the knowledge necessary to conduct an independent study as a part of doctoral research.

**Requirements for the Assignment of ECTS Credits and Grades :** Homework Assignment (50%) + take-home exam (50%)

**Contact Person:** Kathleen Nosal

## E837 Research Seminar in Mathematical Econometrics, Stochastics and Finance

Seminar 2st. Leucht, A. / Mammen, E. / Potthoff, J. / Schied, A. / Schlather, M. / Neuenkirch, A.

wtl Di 12:00 - 13:30 11.02.2014-30.05.2014 L 9, 1-2 003

### Kommentar:

**Course title:** E837 Research Seminar in Mathematical Econometrics, Stochastics and Finance

**Instructors:** Prof. Dr. Anne Leucht, Prof. Dr. Enno Mammen, Prof. Dr. Jürgen Potthoff, Prof. Dr. Alexander Schied, Prof. Dr. Martin Schlader, Prof. Dr. Andreas Neuenkirch.

**Offered:** FSS 2014

**Method** (hours per week): seminar (2)

**Course level:** Ph.D.

**Course language:** English

**Prerequisites:** Background: solid knowledge in econometrics, probability theory and statistics at the level of E703 or preferably of some follow up course

**Goals of Contents of the module:** Discussion of current research topics in mathematical econometrics and of own research

### Expected Competences:

On successful completion of the module, students are expected to attain the following competences:

- Attain knowledge in recent topics of research in mathematical econometrics, probability theory, statistics and finance.
- To be in a position to exchange information, ideas, and solutions with experts of the field on a scientific level as well as with laymen.
- Ability to communicate precisely in the English specialist language.
- Presentation skills.
- Attain the level of competence that permits independent undertakings in search of new knowledge in the specialist areas the module covers.

**Examination:** Oral Exam

**ECTS-Credits:** 5

**Contact person:** Prof. Dr. Anne Leucht, eMail: aleucht@mail.uni-mannheim.de

---

**E839 Topics in Macroeconomics**

Seminar 2st.

Lee, S. / Pfeifer, J. / Tertilt, M.

wtl Do 12:00 - 13:30 13.02.2014-29.05.2014

**Kommentar:**

**Course title:** Topics in Macroeconomics

**Instructor:** Prof. Johannes Pfeifer, Ph.D. and Prof. Sang Yoon Tim Lee, Ph.D.

**Offered:** summer semester 2014

**Method** (hours per week): Seminar (2)

**Course level:** Ph.D.

**Course language:** English

**ECTS-Credits:** 5

**Prerequisites:** first and second year Ph.D. courses

**Course description:** Research seminar where Ph.D. students, who have completed their course work, present their own research and receive feedback. Occasionally we will also have an outside speaker.

**Requirements for the assignment:** Presenting of Research Projects

---

**E840 Junior Research Dialogue in Applied Econometrics**

Seminar 2st.

Bergemann, A.

wtl Fr 12:00 - 13:30 14.02.2014-30.05.2014 L 7, 3-5 P 043

**Kommentar:**

**Module number and title:** E840 Junior Research Dialogue in Applied Econometrics

**Responsible teacher of the module:** Professor Dr. Annette Bergemann

**Form and applicability of the module:** Elective course for Master in Economic Reserach

**Duration of the Module:** 1 semester

**Cycle of offer:** Each semester

**ECTS-Credits:** 5

**Teaching method:** Seminar (2 SWS)

**Course language:** English

**Prerequisites:** E700- E703, E801- E806

**Goals and Contents of the module:** This seminar addresses graduate students and junior researchers in the applied econometrics group and will provide a forum to discuss research ideas and papers at a preliminary stage. The aim is to support junior researchers in selecting promising research topics and implementing them in an efficient way. Experimenting with multiple research ideas, awareness of the latest literature, and close interaction with colleagues and senior researchers are crucial in forming the profile of young researchers. This seminar takes advantage of the high quality of the large group working in applied econometrics at the department.

**Expected Competences acquired after completion of the module:**

- Ability to present: Students gain the ability to present in a clear and structured way their own reserach ideas

- Ability to understand: Students are able to follow and grasp the main idea and main problems of a presented research paper in applied econometrics
- Discussion Competence: Students gain the ability to criticize in an adequate and constructive way research ideas and its implementation.
- Selection competence: Students are able to recognize the potentials of a research idea
- Efficiency competence: Students are able to implement in an efficient manner research questions.

**Requirements for the assignment of ECTS-Credits and Grades:** Presence and participation in discussion and presentation of own research. Only pass and non pass

### E846 Phd Reading Course in Industrial Organization

|                    |      |               |                       |          |                                 |
|--------------------|------|---------------|-----------------------|----------|---------------------------------|
| Doktorandenseminar | 2st. |               |                       |          | Nocke, V. / Schmidt-Dengler, P. |
| wtl                | Mi   | 12:00 - 13:30 | 12.02.2014-28.05.2014 | L 9, 1-2 | 002                             |
| Einzel             | Mi   | 10:15 - 11:45 | 02.04.2014-02.04.2014 | L 9, 1-2 | 009                             |

#### Kommentar:

**Course title:** PhD Seminar in Industrial Organization

**Instructor:** Prof. Schmidt-Dengler, Prof. Nocke

**Offered:** Every Semester

**Method:** PhD Seminar

**Course level:** PhD

**Course language:** English

**Course schedule:** Wednesday, 12:00-13:30

**Prerequisites:** All of the first-year PhD courses

**Examination:** presentation

**ECTS-Credits:** 5

**Course description:** This seminar is aimed at PhD students writing their dissertation in Industrial Organization. It is intended to guide students at all stages of dissertation research. The emphasis be on presentation and discussion of material by students.

#### Contact person:

Anja Mayer / Tel: 0621-181-3503 / Email: mayer@vwl.uni-mannheim.de

### E863 Discrete Choice and Duration Models

|                     |      |               |                       |          |                |
|---------------------|------|---------------|-----------------------|----------|----------------|
| Vorlesung und Übung | 3st. |               |                       |          | Uhlendorff, A. |
| wtl                 | Di   | 13:45 - 15:15 | 11.02.2014-27.05.2014 | L 7, 3-5 | 410            |
| wtl                 | Mi   | 13:45 - 15:15 | 12.02.2014-30.04.2014 | L 7, 3-5 | 158            |

#### Kommentar:

This course gives an overview of the econometric analysis of discrete outcomes and duration data. The major discrete choice models are covered including logit and mixed logit models. The part on duration models covers both discrete and continuous time models including the analysis of competing risks and timing of events models. The aim of the course is to give students an overview of different models and estimation techniques and to gain practical experience in programming different types of models with unobserved heterogeneity for which usually no readily available estimation tools exist. We apply different estimation techniques including maximum likelihood, maximum simulated likelihood and non-parametric maximum likelihood. Computer tutorials complement the lectures.

**Prerequisites:** Advanced Econometrics

**ECTS-credits:** 7

#### Preferred time and place:

Tuesday, 13:45 – 15:15 p.m.,

Wednesday, 13:45 – 15:15 p.m., L 7, 3-5 - 158 (Computerraum)

The course starts on February 11th and ends on May 28th.

Course Level: PhD

## E864 Advances in Public Economics and Political Economy

Vorlesung

2st.

Boyer, P. / Zudenkova, G.

Einzel Di 12:00 - 13:30 27.05.2014-27.05.2014 L 9, 1-2 009

wtl Mi 08:30 - 10:00 12.02.2014-28.05.2014 L 9, 1-2 002

### Kommentar:

#### Module number and title

E864 Advances in Public Economics and Political Economy

#### Form and applicability of the module

Elective course for Master in Economic Research

#### Duration of the Module

1 semester

#### ECTS-Credits

5 ECTS

#### Teaching method

lecture (2 SWS)

#### Workload

150 working hours, containing 52.5 hours class time and 97.5 hours independent study time and preparation for the exam

#### Cycle of offer

once a year

#### Expected number of students in class

8-10

#### Course language

English

#### Prerequisites

E700-E703, E801-E806 or equivalent

#### Goals and Contents of the module

This graduate course brings together the latest research ideas and topics in public economics and political economy. The focus will be primarily on theoretical work. The course will consist of two parts. The first part will cover topics in public economics. The second part will address political economy issues.

Part I: (by Pierre Boyer) Advances in Public Economics

##### 1. Theory of Public Goods

Classics: Efficient public-goods provision according to the Samuelson Rule, public goods as a source of market failure, Lindahl's approach. The modern theory: public-good provision under asymmetric information

##### 2. Theory of optimal income taxation

Mechanism Design and Income Taxation. Private information and the welfare theorems. The optimal utilitarian income tax

Part II: (by Galina Zudenkova) Advances in Political Economy

##### 1. Political Behavior

Voters, Candidates, Legislatures, Interest Groups, Political Parties, Media

##### 2. Political Distortions

Inefficient redistribution, Career concerns, Dynamic Problems

##### 3. Endogenous Political Institutions

#### Expected Competences acquired after completion of the module

The course introduces the latest research ideas and topics in public economics and political economy. The course should prove useful for any student interested in analyzing policy issues. It will be particularly valuable background for those students intending to specialize in public economics and political economy.

#### Requirements for the assignment of ECTS-Credits and Grades

One written exam, 2 hours or presentation of a research paper plus report on the paper.

#### Responsible teacher of the module

Pierre Boyer, pierre.boyer@uni-mannheim.de

Galina Zudenkova, galina.zudenkova@uni-mannheim.de.

#### Further information

Useful references are:

Part I:

Laffont and Martimort, *The theory of incentives*, 2002.

Salanie, *The economics of taxation*, MIT Press, 2003

Myles, *Public Economics*, Cambridge University Press, 1995

Mas-Collel, Whinston, Green, *Microeconomic Theory*, Oxford University Press 1996

Fudenberg and Tirole, *Game Theory*, 1991.

Part II:

Besley, T., *Principled Agents: Motivation and Incentives in Politics*, Oxford University Press, 2006.

Drazen, A., *Political Economy in Macroeconomics*, Princeton University Press, 2000.

Grossman, G. and E. Helpman, *Special Interest Politics*, MIT Press, 2001.

Morton, R., *Analyzing Elections*, Norton, 2006.

Persson, T. and G. Tabellini, *Political Economics: Explaining Economic Policy*, MIT Press, 2000.

Weingast, B. and D. Wittman, *Oxford Handbook of Political Economy*, Oxford University Press, 2006.

If textbook treatments are not available we will rely on original journal articles as a reference. These references will be given during the lectures. Lecture Notes will be made available.

### E866 Research Seminar in Economic Policy

Seminar 2st. Grüner, H.

wtl Mo 17:00 - 18:30 10.02.2014-26.05.2014 L 7, 3-5 P 043

Einzel Mo 15:30 - 17:00 28.04.2014-28.04.2014 L 7, 3-5 P 044

#### Kommentar:

**Course title:** E866 Research Seminar in Economic Policy

**Instructor(s):** Hans Peter Grüner

**Offered:** FSS 2014

**Method** (hours per week): seminar (2)

**Course level:** Ph.D.

**Course language:** English

**Prerequisites:** E700-703, E801-806

**Examination:** presentation, seminar paper

**ECTS-Credits:** 5

**Course description:** In the seminar PhD students can present and discuss policy related economic research. Students who would like to participate should contact Hans Peter Grüner before the beginning of the semester.

**Expected Competences:** Students learn to apply economic theory and quantitative methods to policy problems.

**Requirements for the assignment:** Students get the credits for this course if they present at least once during the semester and participate in the discussion of the other seminar presentations

**Contact person(s):** Prof. Dr. Grüner, Tel. 181-1886, L7, 3-5, room 2-05/06, E-mail: gruener@uni-mannheim.de

### E871 Nonparametric curve estimation Course

Vorlesung 2st. Mammen, E.

wtl Do 10:15 - 11:45 13.02.2014-30.05.2014 L 7, 3-5 P 044

#### Kommentar:

Goals and Contents of the module

*This course introduces into the basic techniques of nonparametric smoothing. In particular, we will discuss kernel smoothing, sieve estimators and smoothing splines. The course discuss applications of the methods in semi parametric models and inverse problems that e.g. arise in nonparametric models with instrumental variables. A further topic are structured nonparametric models where several nonparametric functions enter into a mode specification. The aim of the course is an understanding of the theoretical mathematical background of these approaches.*

Expected competences acquired after completion of the course

*Understanding of asymptotic theory in nonparametric models*

Requirements for the assignment of ECTS-Credits and Grades

*active participation and oral exam*

Prerequisites: *E703, E858 (or some knowledge of asymptotic statistical theory)*

ECTS credits: 5.0

|   |    |               |                       |                         |
|---|----|---------------|-----------------------|-------------------------|
| <b>E872 Topics in Quantitative Macroeconomics II</b>  |    |               |                       | Ramos Santos, C.        |
| Vorlesung   |    | 2st.          |                       |                         |
| wtl   | Di | 10:15 - 11:45 | 11.02.2014-25.03.2014 |                         |
| wtl   | Do | 10:15 - 11:45 | 13.02.2014-27.03.2014 |                         |
| <b>Kommentar:</b>   |    |               |                       |                         |
| <b>Topic:</b> Topics in Quantitative Macroeconomics II  |    |               |                       |                         |
| <b>Duration of the Module:</b> 1 Semester   |    |               |                       |                         |
| <b>ECTS-Credits:</b> 5  |    |               |                       |                         |
| <b>Teaching method:</b> Lecture (2 SWS)   |    |               |                       |                         |
| <b>Cycle of offer:</b> Yearly   |    |               |                       |                         |
| <b>Expected number of students in class:</b> 10   |    |               |                       |                         |
| <b>Course language:</b> English   |    |               |                       |                         |
| <b>Prerequisites:</b> Graduate Macroeconomic Theory required, Numerical Methods recommended   |    |               |                       |                         |
| <b>Goals and Contents of the module</b>   |    |               |                       |                         |
| In this course, we will discuss a variety of papers on different topics that have one thing in common: the use of modern macroeconomic tools. Here is a (non-exhaustive) sample list of topics: Labor Markets, Financial Markets, Economic Transitions, Family Macroeconomics, etc.   |    |               |                       |                         |
| <b>Expected Competences acquired after completion of the module</b>   |    |               |                       |                         |
| Working knowledge on the frontier of quantitative macroeconomics, ability to formulate research idea and plan   |    |               |                       |                         |
| <b>Requirements for the assignment of ECTS-Credits and Grades</b>   |    |               |                       |                         |
| Term paper or assignment  |    |               |                       |                         |
| <b>Responsible teacher of the module</b>  |    |               |                       |                         |
| Prof. Cezar Santos, Ph.D.   |    |               |                       |                         |
| <b>E873 Ph.D. Seminar in Public Economics</b>   |    |               |                       |                         |
| Seminar   |    | 2st.          |                       | Janeba, E. / Peichl, A. |
| <b>Kommentar:</b>   |    |               |                       |                         |
| <b>Date/time to be determined by agreement.</b>   |    |               |                       |                         |
| <b>Module number and title:</b> E 848 Ph.D. Seminar in Public Economics   |    |               |                       |                         |
| <b>Responsible teacher of the module:</b> Professor Dr. Eckhard Janeba  |    |               |                       |                         |
| <b>Form and applicability of the module:</b> elective course Ph.D   |    |               |                       |                         |
| <b>Duration of the Module:</b> 1 semester   |    |               |                       |                         |
| <b>Cycle of offer:</b> each semester  |    |               |                       |                         |
| <b>ECTS-Credits:</b> 5  |    |               |                       |                         |
| <b>Teaching method:</b> lecture (2 SWS)   |    |               |                       |                         |
| <b>Course language:</b> english   |    |               |                       |                         |
| <b>Prerequisites:</b> first year micro, interest in public economics or international trade   |    |               |                       |                         |
| <b>Goals and Contents of the module:</b> The purpose of this course is to bring students up to the research frontier in a number of areas in public economics, which enables them to do own research. The focus is on theoretical models (but with an eye for empirical implications and policy issues). Topics include behavioural public finance, recent models of fiscal competition, redistribution and political economy. The course will consist of introductory lectures for each topic to provide an overview, followed by joint readings of select papers. Students are expected to have read the relevant papers in advance and to present one paper selected by the lecturer, and one chosen by the student him/herself. |    |               |                       |                         |

**Expected Competences acquired after completion of the module:** Develop own research agenda, execution of research projects, presentation of own research results.

**Requirements for the assignment of ECTS-Credits and Grades:** Oral presentation of own research, contribution to discussion of other participants' research; only pass/ fail.

### **E880 Graduate Public Economics: Empirical and Quantitative Methods**

|           |                  |                            |
|-----------|------------------|----------------------------|
| Vorlesung | 4st.             | Findeisen, S. / Peichl, A. |
| wtl       | Mo 13:45 - 15:15 | 10.02.2014-26.05.2014      |
| wtl       | Fr 10:00 - 11:30 | 14.02.2014-30.05.2014      |

#### **Kommentar:**

#### **Module number and title**

Graduate Public Economics: Empirical and Quantitative Methods

#### **Form and applicability of the module**

"Elective course for Master in Economic Research"

#### **Duration of the Module**

1 semester

#### **ECTS-Credits**

10

#### **Teaching method**

Lecture (4 SWS)

#### **Workload**

#### **Cycle of offer**

Each Spring

#### **Expected number of students in class**

10

#### **Course language**

English

#### **Prerequisites**

E700-E703, E801-E806

#### **Goals and Contents of the module**

The course covers empirical methods needed for research in Public Finance, with emphasis on combining theoretical models with empirical evidence for the optimal design of tax and social insurance policies.

Topics include efficiency costs and incidence of taxation, income taxation, behavioral responses to taxes and transfers, social insurance and capital income taxation

Expected Competences acquired after completion of the module

Understanding of modern methods used in Public Finance and ability to implement them. Understanding and knowledge of the research frontier in the field. Understanding how empirical research and economic theory can be used together to address questions of optimal policy design.

#### **Requirements for the assignment of ECTS-Credits and Grades**

Written Examination (50%) and Research Proposal (50%).

#### **Responsible teacher of the module**

Andreas Peichl and Sebastian Findeisen

#### **Additional teachers**

#### **Further information**

Readings based on papers and lecture notes.

### **E881 Topics in Business Cycles II**

|           |                  |                       |         |
|-----------|------------------|-----------------------|---------|
| Vorlesung | 2st.             | Pfeifer, J.           |         |
| wtl       | Mo 10:15 - 11:45 | 10.02.2014-24.03.2014 | Pfeifer |
| wtl       | Mi 10:15 - 11:45 | 12.02.2014-26.03.2014 | Pfeifer |

#### **Kommentar:**

**Course Title:** Topics in Business Cycles II

**Responsible teacher of the Module:** Johannes Pfeifer

**Teaching Method :** lecture (2 SWS)      **ECTS-credits:** 5

**Course Level:** Ph.D.      **Course Language:** English

**Prerequisites:** E 700- E703, E 801- E806 (or equivalent courses in Macroeconomics and Econometrics), Numerical Methods E 813 strongly recommended and Topics in Business Cycles E868 strongly recommended

**Requirements for the Assignment of ECTS Credits and Grades:** term paper + presentation

**Goals and Contents of the Module:** The global financial and economic crisis has thrown business cycle research into a state of disarray and has shown the need to go beyond traditional business cycle explanations. This course will provide an intro-



duction to the rapidly expanding literature on non-traditional business cycle explanations like "news", "noise" and "uncertainty" shocks. The course will pick up where "E686 - Topics in Business Cycles" stopped. The aim is for participants to learn how to solve and estimate the models using (mostly) Bayesian methods and to be able to write their own research paper.

**Expected Competences acquired after Completion of the Module:**

- Broad knowledge of the modern business cycle literature
- technical skills to solve and estimate DSGE models
- ability to formulate research idea and plan

**Literature:** Mostly research articles

Bloom (2009): The Impact of Uncertainty Shocks, *Econometrica*, 77, 623-685

Fernández-Villaverde / Gerrón-Quintana / Rubio-Ramírez / Uribe (2011): Risk Matters: The Real Effects of Volatility Shocks. *American Economic Review*, 101, 2530-61

**Technical Background:**

Arulampalam/Maskell/Gordon/Clapp (2002): A tutorial on particle filters for online nonlinear/non-Gaussian Bayesian tracking, *IEEE Transactions on Signal Processing*, 50, 174-188

Andreasen/Fernandez-Villaverde/Rubio-Ramirez (2013): The Pruned State-Space System for Non-Linear DSGE Models:Theory and Empirical Applications, mimeo

Fernández-Villaverde/Rubio-Ramírez (2007): Estimating Macroeconomic Models: A Likelihood Approach, *Review of Economic Studies*, 74, 1059-1087

**Contact Person:** Prof.Dr. Johannes Pfeifer; L7,3-5 room 2.42; phone: 3430; pfeifer@uni-mannheim.de

**E882 Stochastic Networks**

Seminar 2st. Mammen, E. / Jentsch, C.

wtl Do 12:00 - 13:30 13.02.2014-29.05.2014 L 7, 3-5 P 043

**Kommentar:**

Course title: Stochastic Networks

Instructors: Prof. Dr. Enno Mammen, Dr. Carsten Jentsch

Offered: FSS 2014

Course level: PhD

Methods (hours per week): seminar (2)

Course level: Phd

Course language: English

ECTS-Credits: 5

**Goals and Contents of the module**

*In recent years there were some research activities in mathematical and applied statistics for designing statical models for stochastic networks. This has been motivated by a broad range of applications including social sciences and economics. The goal of the seminar is to get a first overview on this growing strand of research. Besides the statical literature we will also look into economically motivated models.*

Expected competences acquired after completion of the course

*Understanding of statistical modeling and inference in stochastic networks.*

Requirements for the assignment of ECTS-Credits and Grades

*active participation and presentation of a research paper*

Prerequisites: E703, E858 (or some knowledge of asymptotic statistical theory)

ECTS credits: 5.0

Thursday (13.02.2014-29.05.2014), 12:00 to 13:30 in L 7, 3-5 - P 043

**Center for Doctoral Studies in Social and Behavioral Sciences (CDSS)**

**Advanced Quantitative Methods**

Vorlesung 2st. Gschwend, T.

wtl Mi 08:30 - 10:00 12.02.2014-28.05.2014 A 5, 6 Bauteil B B 143

**Kommentar:**

**Topic:**

The goal of this course is to provide an introduction into maximum-likelihood estimation.

**Literature:**

Eliason, Scott R. 1993. Maximum Likelihood Estimation: Logic and Practice. Newbury Park: Sage.

Long, J. Scott. 1997. Regression Models for Categorical and Limited Dependent Variables. Newbury Park.: Sage.

King, Gary. 2008. Unifying political methodology: the likelihood theory of statistical inference. Ann Arbor, MI : University of Michigan Press.

**Recommended for:**

CDSS students

MA Political Science students of 2nd semester. Students should have passed "Tutorial Multivariate Analyses" as well as "Multivariate Analyses" in their first semester.

**Exam:**

Homework assignments and research paper

**Registration:** online

**Office Hours:** Wed 10 - 11 h

**Advanced Quantitative Methods**

Übung 2st. Stötzer, L.

wtl Do 17:15 - 18:45 13.02.2014-29.05.2014 A 5, 6 Bauteil B B 317

**Applying Geographical Information Systems (GIS) for Armed Conflict Research**

Vorlesung mit Workshop 2st.

Einzel Mi 08:00 - 20:00 26.02.2014-26.02.2014

Einzel Do 08:00 - 20:00 27.02.2014-27.02.2014

Einzel Fr 08:00 - 20:00 28.02.2014-28.02.2014

**CDSS Dissertation Proposal Workshop**

Workshop 2st. Gschwend, T.

wtl Di 10:15 - 11:45 11.02.2014-27.05.2014

**Kommentar:**

**Inhalt:**

The goal of this course is to provide support and crucial feedback on writing students' dissertation proposal. Such a proposal is a research outline that delineates the doctoral thesis project, including the motivation for research question(s), the survey of the relevant theoretical and empirical contributions, the development of a theoretical framework, the specification of the methodology and planned empirical analysis.

You should be prepared to address the following questions: What makes that an interesting question? Is it an important question? What contributions would this question and the answers make to the scholarly literature? What strategies are there to answer your research question(s)?

Students should have attended the Fall course "MET 803: Crafting Social Science Research".

**Empfohlen für:**

CDSS first year students only

**Sprechstunde:** Mi 10 - 11 Uhr

Course will be held in D 7, 27 Room 307.

**CDSS Workshop (Political Science)**

Workshop 2st. Gschwend, T.

wtl Mi 12:00 - 12.02.2014-28.05.2014

**Kommentar:**

The goal of this course is to provide support and crucial feedback for second and third year CDSS students in Political Science on their ongoing dissertation project. In this workshop CDSS students are expected to play two roles. They should provide feedback to their peers as well as present their own work in order to receive feedback.

Course will be held in D 7, 27 Room 307.

**Dissertation Tutorial**

Kolloquium 3st. Ebbinghaus, B. / Kalter, F. / Kogan, I.

wtl Di 19:00 - 21:15 11.02.2014-27.05.2014

**Kommentar:**

Doctoral theses supervised by Bernhard Ebbinghaus, Frank Kalter and Irena Kogan, respectively, will be discussed.

Sprechstunde/Advisory hours:

nach Anmeldung bzw. siehe jeweilige homepage / upon appointment, see resp. homepage

**Game-theoretic Models of International Conflict**

Workshop Maklakova, M. / N., N.

Einzel Di 08:00 - 18:00 10.06.2014-10.06.2014 A 5, 6 Bauteil B B 318

Einzel Mi 08:00 - 18:00 11.06.2014-11.06.2014 A 5, 6 Bauteil B B 318

**Research in Cognitive Psychology - CDSS Workshop**

Kolloquium 2st. Erdfelder, E. / Bröder, A.

wtl Mo 15:30 - 17:00 10.02.2014-26.05.2014 Schloß Ehrenhof Ost EO 259

Einzel Mo 13:45 - 15:15 07.04.2014-07.04.2014 Schloß Ehrenhof Ost EO 259

**Kommentar:**

**Content:**

Research projects in cognitive psychology are planned, presented, and discussed.

**Literature:**

References will be provided during the course.

**Recommended to:**

CDSS students in the psychology program. Other GESS students may attend if they are specifically interested in Cognitive Psychology. In addition, incoming students in the bachelor or master program (psychology majors) may apply for participation if they have sufficient background knowledge in Cognitive Psychology.

**You can acquire:**

Confirmation of participation. 4 ECTS credits for participation and presentation of research results.

**Application:**

If you are interested in taking this course, please come to the first meeting. Incoming students (psychology majors) who are interested to participate should send an e-mail to [erdfelder@uni-mannheim.de](mailto:erdfelder@uni-mannheim.de) no later than 1 week before the beginning of the course.

In addition, application via Studierendenportal is necessary to have access to the course material provided in ILIAS.

**Open office hours:**

Prof. Dr. Erdfelder: Thursday, 10.15h - 11.45h.

**Research in Social Cognition - CDSS-Workshop**

|          |      |               |                       |                           |
|----------|------|---------------|-----------------------|---------------------------|
| Workshop | 2st. |               |                       | Bless, H. / Stahlberg, D. |
| wtl      | Mo   | 13:45 - 15:15 | 10.02.2014-26.05.2014 | A 5, 6 Bauteil B B 318    |

**Kommentar:****Course description:**

In this seminar we will discuss current issues in Social Cognition. Participants will be required to read current journal articles and to present and discuss them in class. Building either on a literature review or on a linkage to ongoing research projects at the University of Mannheim, participants will be asked to develop own research ideas. These research ideas will be presented in class and will provide a basis for in-class discussions.

**Content:** see CDSS course-program: (<http://gess.uni-mannheim.de/CDSS/Program/>)

**Enrolment:** doctoral candidates only; enrolment through CDSS ([registration@gess.uni-mannheim.de](mailto:registration@gess.uni-mannheim.de))

**Assessment type:** By arrangement

**Literature:** Will be announced in class

**Selected Topics in International Politics (IP): Causes and Perpetrators of (Extreme) Political Violence**

|         |      |               |                       |  |
|---------|------|---------------|-----------------------|--|
| Seminar | 2st. |               |                       | Scharpf, A.                                    |
| wtl     | Mo   | 17:15 - 18:45 | 10.02.2014-26.05.2014 | B 6, 23-25 Bauteil A<br>(Hörsaalgebäude) A 102 |

**Kommentar:****Content**

In this course, we engage with contemporary research on the causes of political violence including mass killings and genocide. The central aim of this seminar is to introduce students to the current debates in the research on violence against civilians. Exploiting different analytical angles that are currently used in the literature, we will focus on macro-level and micro-level determinants of political violence. Special attention will be paid to the actors that perpetrate those acts. The seminar will guide students towards developing their own research questions and carrying out their own research. Students will be asked to produce work throughout the semester, beyond doing the readings in preparation for class discussion.

**Example Literature**

- Weinstein, Jeremy M. 2007. *Inside Rebellion: The Politics of Insurgent Violence*. Cambridge University Press.
- Valentino, Benjamin A. 2004. *Final Solutions: Mass Killing and Genocide in the Twentieth Century*. Cornell University Press.
- Verwimp, Philip. 2006. "Machetes and Firearms: The Organization of Massacres in Rwanda." *Journal of Peace Research* 43(1): 5-22.

**Course Requirements**

Course requirements include regular attendance, active class participation, a class presentation, acting as a discussant, and two research papers (one on theory and one on empirics).

**SOEP Campus**

|        |      |               |                       |                         |
|--------|------|---------------|-----------------------|-------------------------|
| Übung  | 2st. |               |                       | Gautschi, T.            |
| Einzel | Mo   | 08:00 - 17:00 | 23.06.2014-23.06.2014 | A 5, 6 Bauteil C C -108 |
| Einzel | Di   | 08:00 - 17:00 | 24.06.2014-24.06.2014 | A 5, 6 Bauteil C C -108 |
| Einzel | Mi   | 08:00 - 17:00 | 25.06.2014-25.06.2014 | A 5, 6 Bauteil C C -108 |