

**Finnish Doctoral Program in Economics  
Applied Microeconometrics - Fall 2013**

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**Instructor:** Manuel Bagues (Aalto University). Office: A219. E-mail: manuel.bagues@aalto.fi

**Schedule:** Tuesdays and Wednesdays, 10:00 - 12:00 am, Seminar room 1

**Course Objectives:** The course introduces PhD students to the main empirical strategies for causal inference. It has a practical flavor  $\Rightarrow$  emphasis is not on proofs but on intuitions and on applications. I will presume that you already know basic Econometrics and Statistics.

**Course material:** Slides and suggested readings will be available at my webpage. The following book is also highly recommended:

- Angrist, J. and J.S. Pischke (2009), *Mostly Harmless Econometrics*, Princeton University Press.

**Software requirements:** We will use STATA for exercises and take-home assignment.

**Grade Policy:** Final exam (60 per cent), replication exercise (30 per cent) and assignments (10 per cent). Participation in class is highly encouraged.

**Extra Help:** Do not hesitate to come to my office during office hours or by appointment to discuss a problem set or any aspect of the course.

**Important Dates:**

Final exam ..... November 26  
Replication exercise ..... December 1

**Course Outline:**

1. Introduction
2. Identification based on observables
3. Instrumental variables
4. Differences-in-differences
5. Regression discontinuity designs
6. Other topics:
  - Structural analysis
  - Non-standard standard error issues

**Expected Schedule:**

Chapter 1 .....	September 10, 11
Chapter 2 .....	September 17, 18
Chapter 3 .....	September 24, 25
Chapter 4 .....	October 1, 2
Chapter 5 .....	October 8, 9
Chapter 6 .....	October 29, 30, November 5, 6
Mock Final Exam .....	November 12
Final Exam .....	November 26