Universität Hamburg
DER FORSCHUNG | DER LEHRE | DER BILDUNG

PhD course

Policy Evaluation II

Block course (Room 4030/31):

June 21st, 10:00-15:00

June 28th, 10:00-15:00

July 5th, 10:00-15:00

July 19th, 10:00-16:00

Course instructor: Prof. Dr. Biliana Yontcheva

Course value: 2 SWS

Course language: English

Software: Stata

Prerequisites: Master-level knowledge of econometrics (maximum likelihood estimation, instrumental variables) and microeconomics (utility maximization, cost minimization, profit maximization under different market structures).

Registration: Please register via Stine. For all organizational matters please contact grk-hche.bwl@uni-hamburg.de. Places will be allocated in order of received registrations.

Course overview: Policy Evaluation II will provide students with the econometric toolbox to conduct structural analysis. The course will cover the estimation of discrete choice demand and entry models, as well as production function estimation. It will conclude with a presentation session, in which

students are asked to present and critically evaluate state-of-the-art applications of the models covered in the class.

Syllabus:

Day 1: Structural demand estimation

- Comparison of structural models and reduced form approaches
- Discrete choice and random utility models
- Identification and estimation
- Healthcare-specific applications
- Counterfactuals, welfare and policy

Day 2: Structural production function estimation

- Healthcare production: inputs and outputs
- Production functions and identification
- Structural estimation and endogenous inputs
- Healthcare-specific applications
- Counterfactuals, welfare and policy

Day 3: Entry models

- Role of entry on healthcare markets
- Canonical entry models
- Simultaneous entry games and identification
- Estimation and computational implementation
- Healthcare-specific applications
- Counterfactuals, welfare and policy

Day 4: Student presentations and group discussions