Module title			Abbreviation
Microeconometrics			12-M-MIK-111-m01
Module coordinator		**Module offered by**	
holder of the Chair of Econometrics		Faculty of Business Management and Economics	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	graduate	--	

Contents

Description:
This course builds on the Master's courses "Ökonometrie 1" ("Econometrics 1") and "Ökonometrie 2" ("Econometrics 2") and introduces students to different microeconometric models. In the first part of the course, the maximum likelihood estimation procedure is introduced, its importance for estimating microeconometric models and properties of the estimators are explained and derived. Subsequently, a wide variety of micoreconometric models is motivated and explained and the advantages of these models over the linear regression model are pointed out. In addition, these models are estimated with different estimation methods and the results are interpreted.

Outline of syllabus:
1. Maximum likelihood estimator and its properties
2. Logit and probit models for unordered categories
3. Logit and probit models for ordered categories
4. Tobit model
5. Models for count data
6. Duration analysis
7. Hazard rate models

Reading:
Ronning: Mikroökonometrie, Springer-Verlag.
Cameron / Trivedi: Micoreconometrics - Methods and Applications, Cambridge University Press.
Greene: Econometric Analysis, Pearson.
(most recent editions)

Intended learning outcomes

After finishing this course students are able to
(i) understand the maximum likelihood method;
(ii) apply, assess, and interpret the above introduced models and check for possible violation of the assumptions;
(iii) get to know other possibilities, next to the maximum likelihood method, to estimate these models;
(iv) gain a general understanding how to treat discrete, censored, or truncated dependent variables;
(v) know how to estimate the introduced models in EViews.

Courses (type, number of weekly contact hours, language — if other than German)

D (no information on SWS (weekly contact hours) and course language available)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages)

Allocation of places

--

Additional information

--

Workload
--
Referred to in LPO I (examination regulations for teaching-degree programmes)
--
Module appears in
Master's degree (1 major) Economathematics (2011) Master's degree (1 major) Business Management (2011) Master's degree (1 major) Economics (2011) Master's degree (1 major) China Business and Economics (2014) Master's degree (1 major) China Business and Economics (2012) Master's degree (1 major) Chinese and Economics (2014) Master's degree (1 major) Chinese and Economics (2012)