Georg-August-Universität Göttingen **Module M.WIWI-QMW.0025: Development Microeconometrics**	6 C 4 WLH

Learning outcome, core skills: Upon successful completion of the course, students will be able to: • discuss the strengths and weaknesses of contemporary microeconometric tools that are widely applied in development economics, • apply these microeconometric methods on real world data using the statistical software Stata and interpret estimation results, • discuss important classifications of micro data and suggest appropriate econometric tools to analyze them, • take tabular data, clean it, and run several inferential statistical analyses using Stata, • critically review published articles in development economics.	**Workload:** Attendance time: 56 h Self-study time: 124 h

Course: M.WIWI-QMW.0025.Lec **Development Microeconometrics** (Lecture) *Contents*: 1. Multiple regression: basic concepts and tests 2. Instrumental variables estimation and two stages least squares 3. Panel data: fixed effects and random effects estimators, dynamic panel data estimators 4. Models with limited dependent variables: Logit, Probit, Multinomial logit, Ordered logit, Tobit model, Heckman's sample selection model, Count data models, 5. Estimating treatment effects, propensity score matching, regression discontinuity design	2 WLH
Course: M.WIWI-QMW.0025.Ex **Development Microeconometrics** (Exercise) *Contents*: The exercise starts with an introduction to Stata. Subsequent sessions are devoted to applying the econometric tools discussed in the lecture on empirical data, thereby deepening the students' understanding of the econometric methods. Following the topics discussed in the lecture, students will receive exercises (accompanied by real data) that they should try to solve using Stata before coming to the Stata session, where we will solve the exercises together. Stata do-files will be made available at the end of each session.	2 WLH
Examination: Written examination (90 minutes) or oral examination (ca. 20 minutes) M.WIWI-QMW.0025.Mp: Development Microeconometrics	6 C

Examination requirements: In the exam, students are expected to show their familiarity with and understanding of main microeconometric tools used in in development economics. In addition to the economic and econometric concepts, they are expected to write Stata codes for solving a given empirical question and interpret Stata outputs.	

Admission requirements:	**Recommended previous knowledge:**

none	M.WIWI-QMW.0004 Econometrics I
Language: English	**Person responsible for module:** Prof. Dr. Helmut Herwartz
Course frequency: irregular	**Duration:** 1 semester[s]
Number of repeat examinations permitted: twice	**Recommended semester:** 2 - 4
Maximum number of students: 30	