Georg-August-Universität Göttingen Module M.WIWI-QMW.0026: Development Macroeconometrics

6 C 4 WLH

2 WLH

Learning outcome, core skills:

The aim of this course is to familiarize students with contemporary econometric tools widely applied in the research on growth and inequality. This course will briefly explain selected empirical questions in growth and inequality and discuss in detail the econometric methods used to tackle those issues. However, no effort will be devoted to prove either economic or econometric theories. On each topic, selected empirical applications will be presented both in the lecture and in computer lab sessions where we will be mainly using STATA. Successful participants of this course are expected to be familiar with important macroeconometric tools in development economics.

Workload:

Attendance time: 56 h Self-study time: 124 h

Courses:

1. Development Macroeconometrics (Lecture)

Contents:

- 1. Introduction to growth theory
- 2. Econometrics of growth
 - (a) Pure cross sectional regressions,
- (b) Panel data approaches: pooled OLS, fixed effects estimator and random effects estimator, GMM estimators, mean-group and panel mean group estimators
- (c) Time series approaches: (unit root tests, cointegration tests, estimation of the long run parameters, vector error correction model, Granger causality
- (d) Panel generalizations of time series approaches: panel unit root and cointegration tests
- 3. Econometrics of inequality
 - (a) Macro-level approaches: model specifications of selected papers
- 2. Computer excercises with STATA (Exercise)

2 WLH

Examination: Written examination (90 minutes) or oral examination (20 minutes)

Examination requirements:

In the exam, participants are expected to show their familiarity with and understanding of main macroeconometric tools used in the research on growth and inequality.

Admission requirements:	Recommended previous knowledge: Introduction to econometrics
Language: English	Person responsible for module: Prof. Dr. Helmut Herwartz
Course frequency: each second wintersemester	Duration: 1 semester[s]
Number of repeat examinations permitted: twice	Recommended semester: 1 - 4

Maximum number of students:	
30	