Module No. M 4.1
Title Economics of Digitization
Module type SU
Language of Instruction English
Teaching Methods Seminar Frequency Weekly
Semester 1
CHW 4
ECTS-Credits 5 Workload* 50 / 40 / 40 / 20
Responsibility for the Course Prof. Dr. Henzel
Lecturer Prof. Dr. Henzel
Corresponding Courses NA Prerequisites None
Assessment Method Seminar Paper Study aids to be used

*Workload in hours: presence in lectures / Preparation and follow-up of lectures / self study / revision for assessments

**Intended Learning Outcomes (Skills, Knowledge, Attitude)**

Students are able to independently perform country analyses based on economic macroeconomic models. Students become familiar with important sources of economic information and are able to gather, assess and analyze them independently with the help of suitable economic methods. Students exchange ideas and discuss concepts. Transfer of ability to prepare and present obtained results orally and in writing.

**Contents**

- **Macroeconomics: Topics in Digitization**
  - Measuring economic performance
  - Apply statistical methods to disentangle long-term growth and business cycle
  - Identify drivers of long-run growth in an economy
  - Estimate the impact of technical progress (digitization) on labor markets
  - Digitization and the Monetary System

- **Microeconomics: Topics in Digitization**
  - Production of information goods and copyrights
  - Consumption of digital goods
  - Pricing of digital goods
  - Networks and Systems Competition
  - Auctions

**Applied methods in Economics and Business administration**

- **Analysis models and methods (research and analysis models):**
  Stylized macroeconomic growth models, National accounts, Profit maximization

- **Quantitative empirical methods (comparative – statistical, mathematical methods, data analysis):**
  Ad-hoc filter, correlation, data organization

- **Qualitative and interpretative methods (expert interviews, polls, standardized surveys):**
  Interpretation and discussion in small groups, expert presentation

**Teaching and Learning methods**

- Tuition in seminars, project work, group projects, presentations
Literature

- Introduction of further literature during seminars