MS00: Methods of Empirical Economic Research

<table>
<thead>
<tr>
<th>Module Type:</th>
<th>ECTS Credits:</th>
<th>Workload:</th>
<th>Study semester:</th>
<th>Module Duration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compulsory</td>
<td>6</td>
<td>180</td>
<td>1.</td>
<td>one semester</td>
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Courses (HPW=hours per week):

<table>
<thead>
<tr>
<th>Course 1: Methods of Empirical Economic Research (2 HPW)</th>
<th>Contact hours:</th>
<th>Independent study:</th>
<th>Planned Group Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td>30h</td>
<td>60h</td>
<td>200</td>
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Course 2: Methods of Empirical Economic Research - Tutorial (2 HPW)

Group events
*It will be offered several groups for course 2.*

<table>
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<tr>
<th>Contact hours:</th>
<th>Independent study:</th>
<th>Planned Group Size:</th>
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<tbody>
<tr>
<td>30h</td>
<td>60h</td>
<td>50</td>
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Intended Learning Outcomes (ILOs):

By the end of the module, students will be able to
- solve content-related questions with econometric approaches and methods;
- interpret econometric analyses, carry them out self-reliant and analyse the results critically;
- classify methods and significance of present contributions;
- carry out self-reliant analyses under consideration of raw data up to an interpretation;
- apply the standard software R.

Key competencies:
- Academic research and writing
- Critical thinking
- Analytical skills
- Willingness to learn and accomplish
- Expressiveness (oral and written)

Description/Contents:

Course 1: Methods of Empirical Economic Research
1. Linear Regression
2. Asymptotic Analyses
3. Heteroscedasticity
4. Advanced Topics in Linear Regression
5. Instrumental Variables
6. Panel Data
7. Time Series

Course 2: Methods of Empirical Economic Research – Tutorial
Cf. contents of course 1.

Language:
The language of the module is German or English.

**Teaching Methods:**

Lectures, group work, self-study.

**Module Applicability:**

M.Sc. Business Administration.

**Pre-requisites/Requirements:**

Admission to study Business Administration for a Master’s degree. Basics in Statistics and Econometrics from the Bachelor’s degree programme are recommended.

**Examination Types:**

Comprehensive examination in the form of a written exam at the end of each semester (60 min).

**Requirements for Award of Credit Points:**

Successful participation in the exam. The exam will be passed if the grade is at least „sufficient“ (4,0).

**Availability:**

The module will be offered generally each winter term.

**Assessment:**

This course will be graded and is part of the calculation for the overall grade of your master degree. Particular information concerning the calculation of the overall grade can be gathered in the respective examination regulations.

**Person Responsible and Main Lecturer:**

Prof. Dr. Florian Heiß and teaching/research assistants.

**Further Information:**

Current information can be found at the website of the person responsible.

Stand: 10.09.2018